

FIG. 1



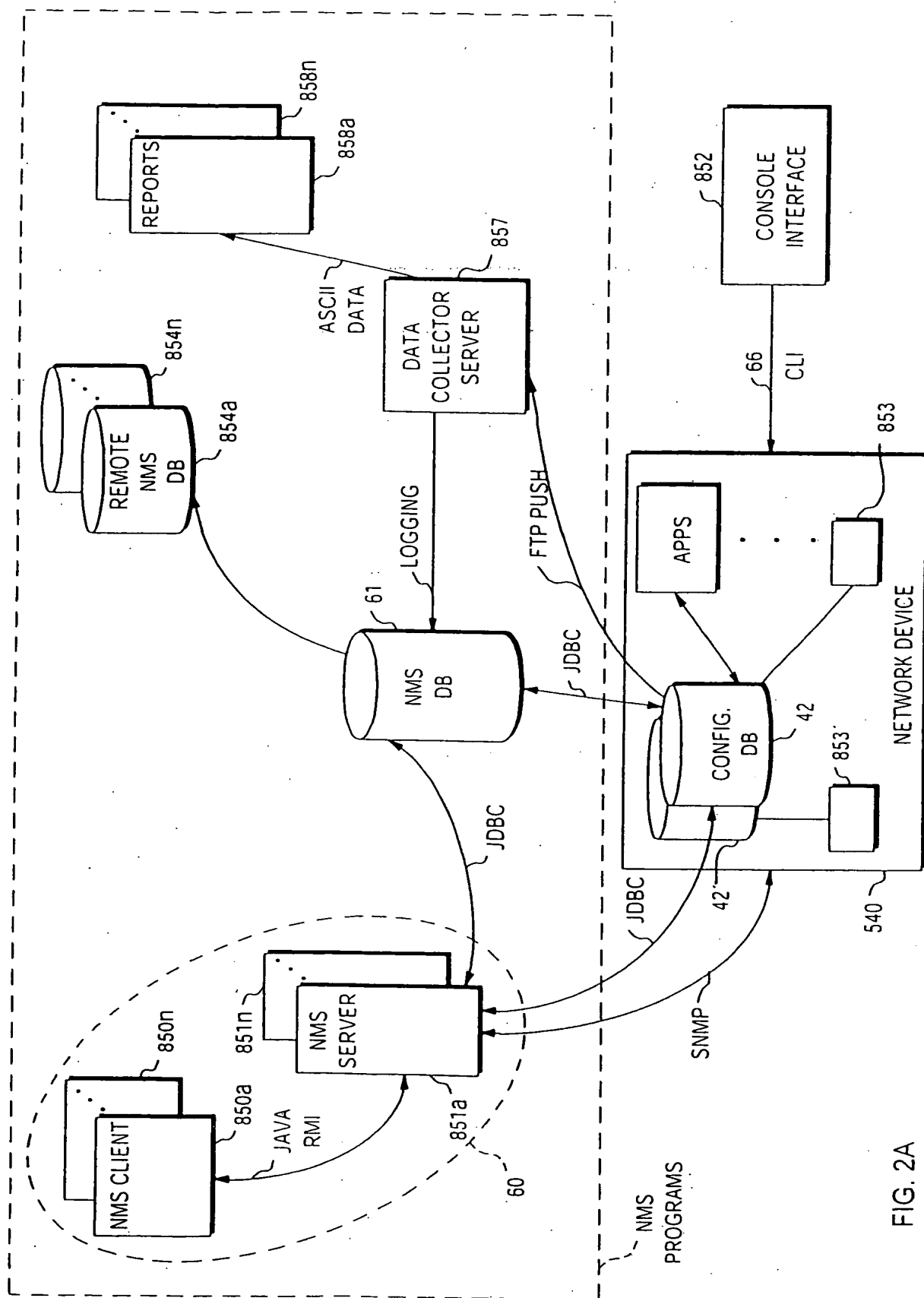


FIG. 2A

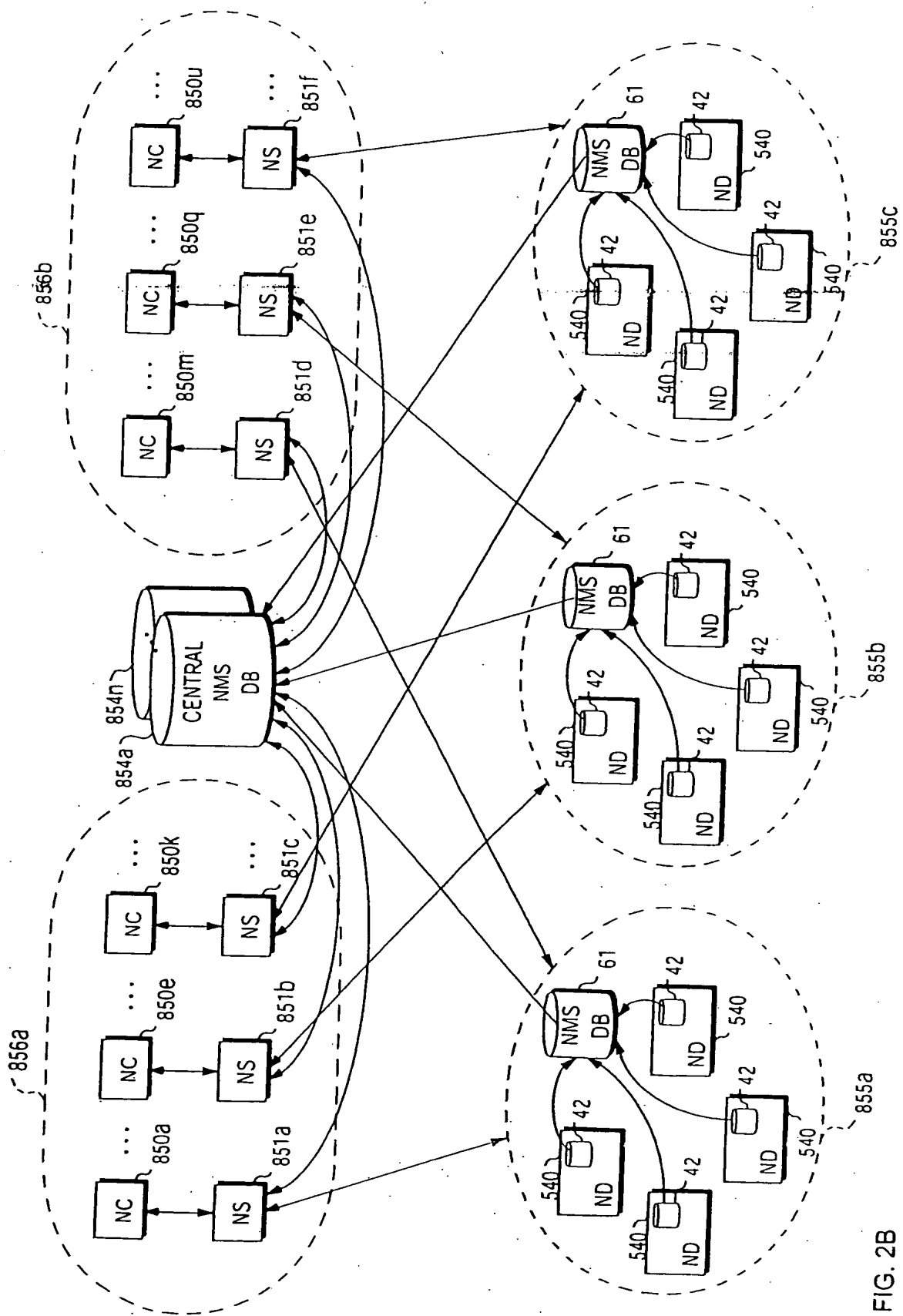


FIG. 2B

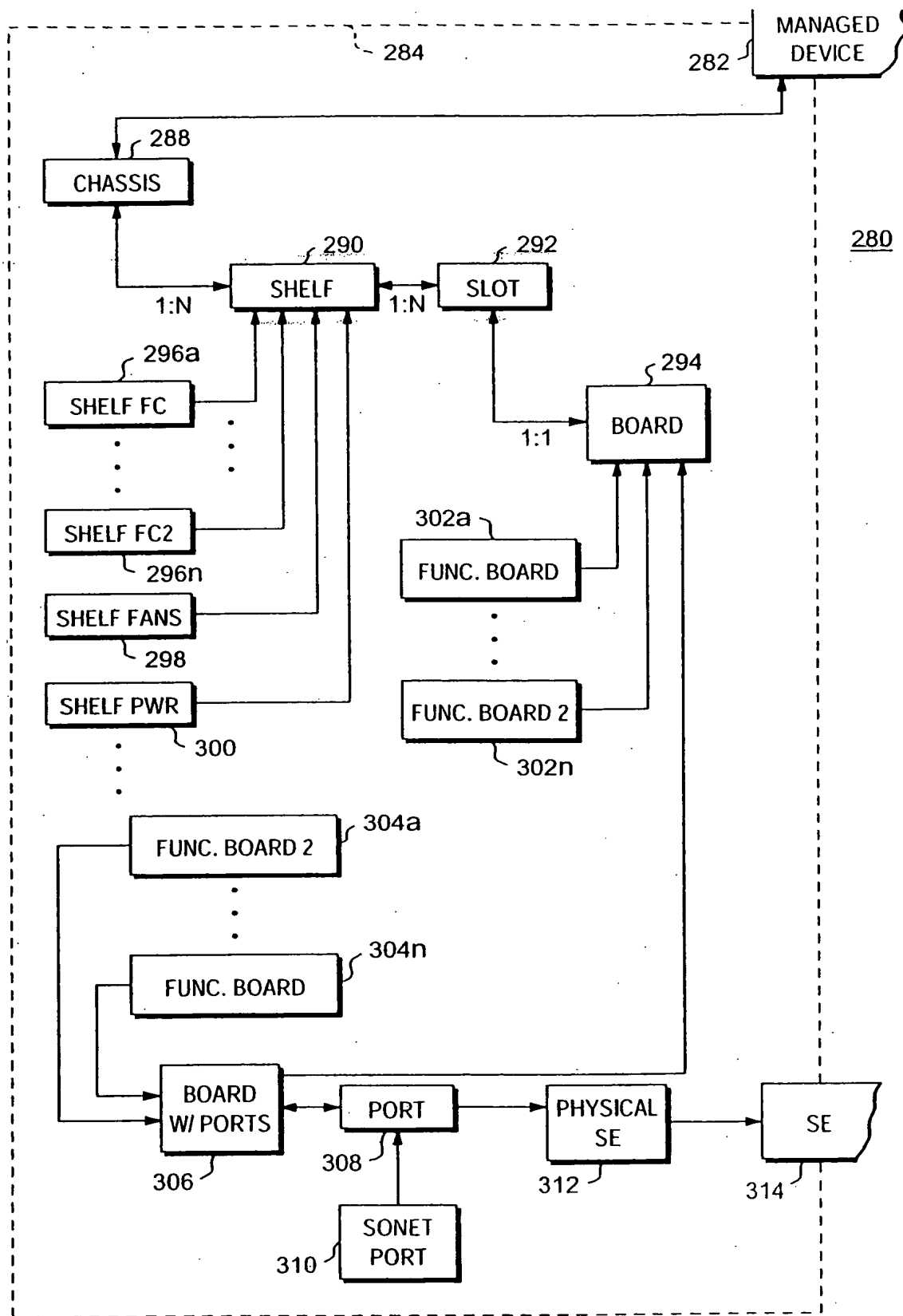


FIG. 3A

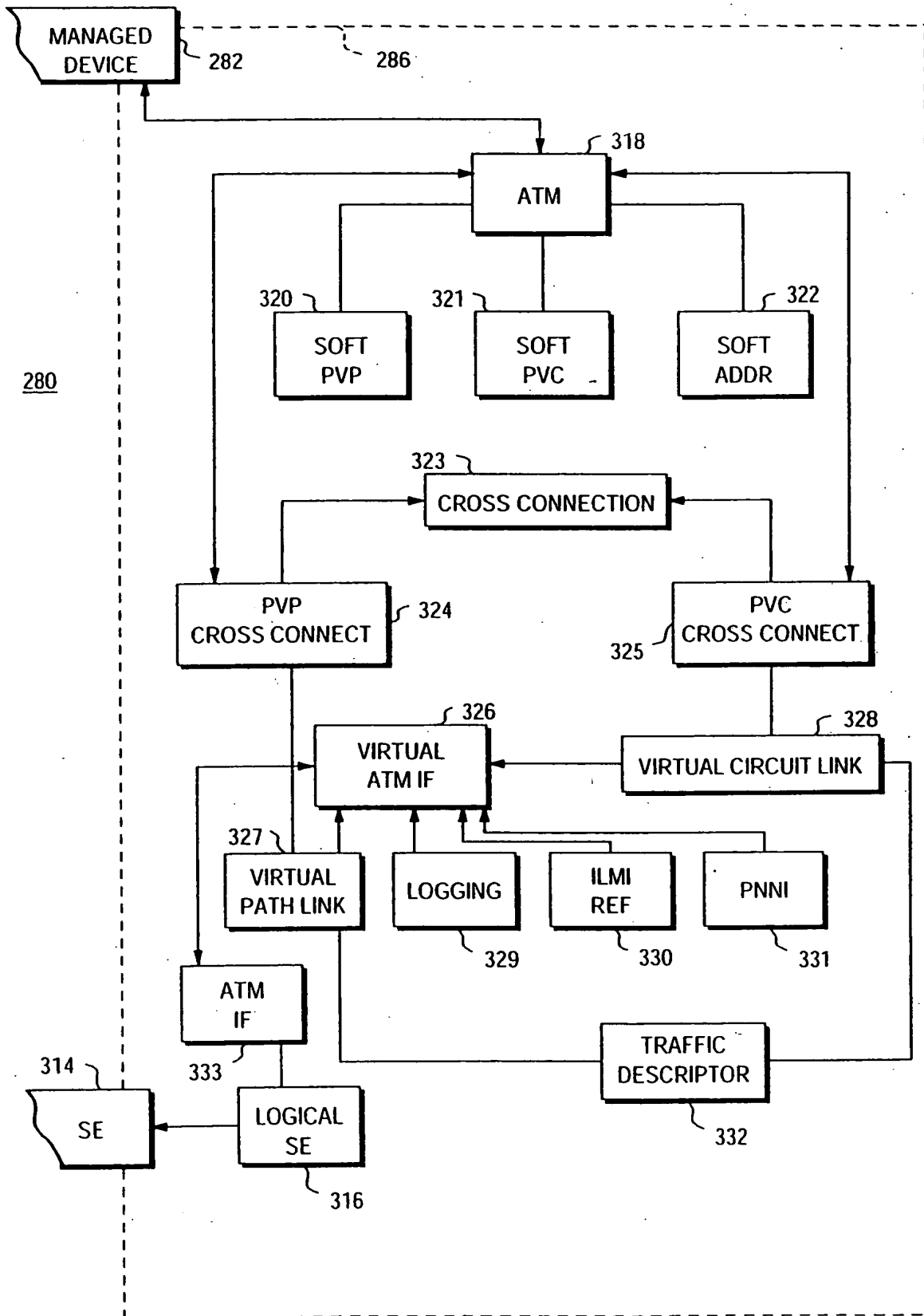


FIG. 3A CONTINUED

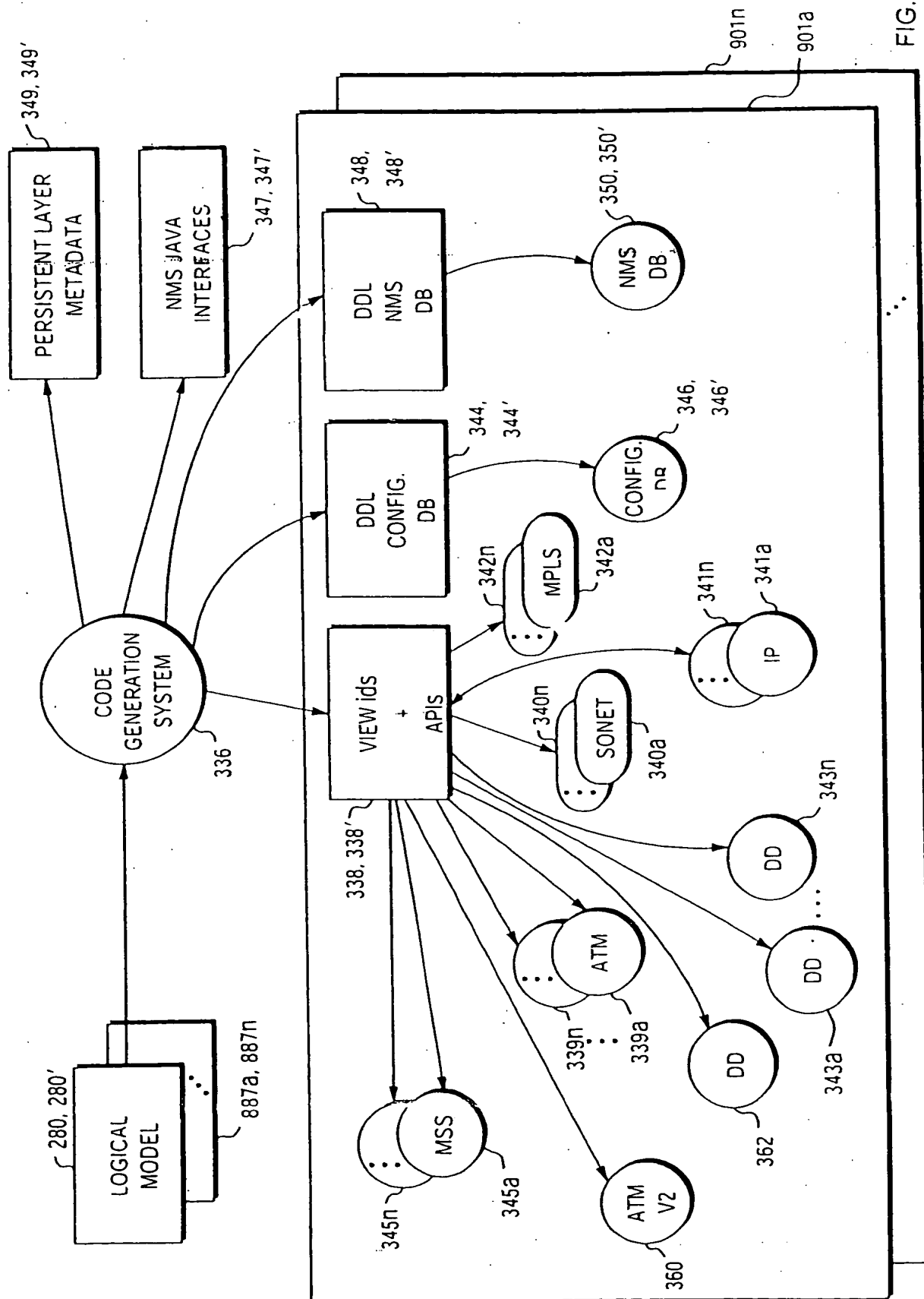


FIG. 3B

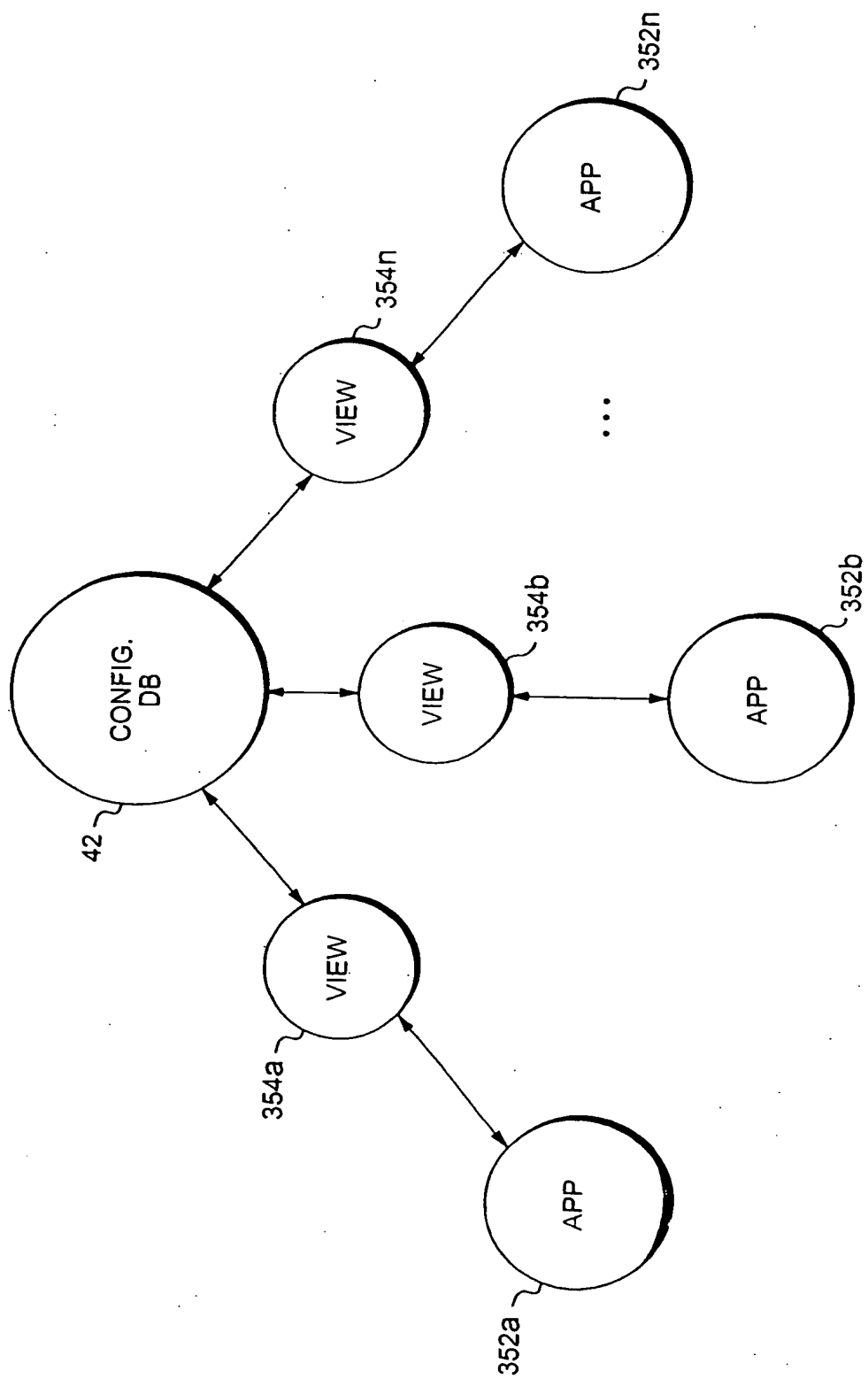


FIG. 3C

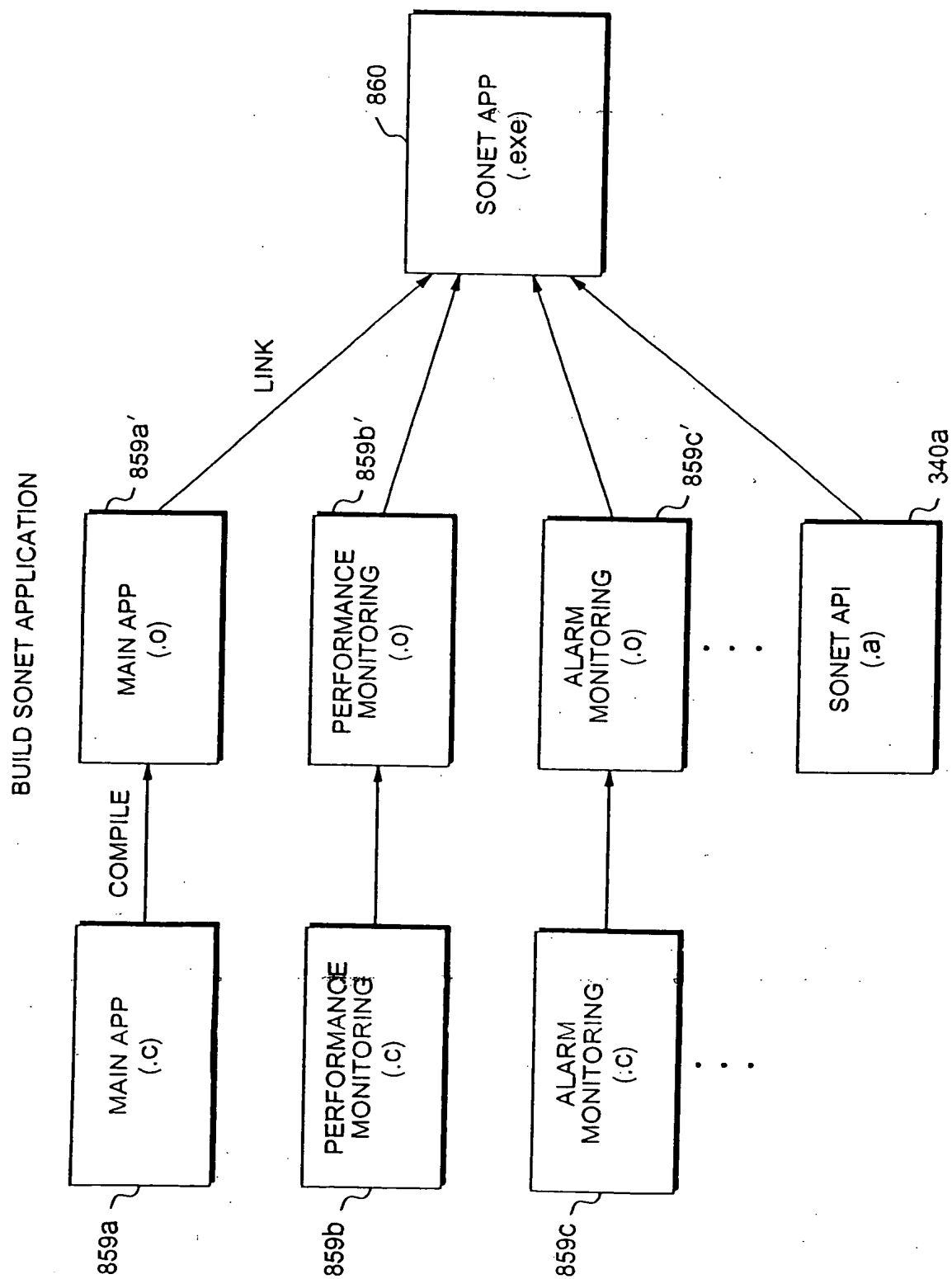


FIG. 3D

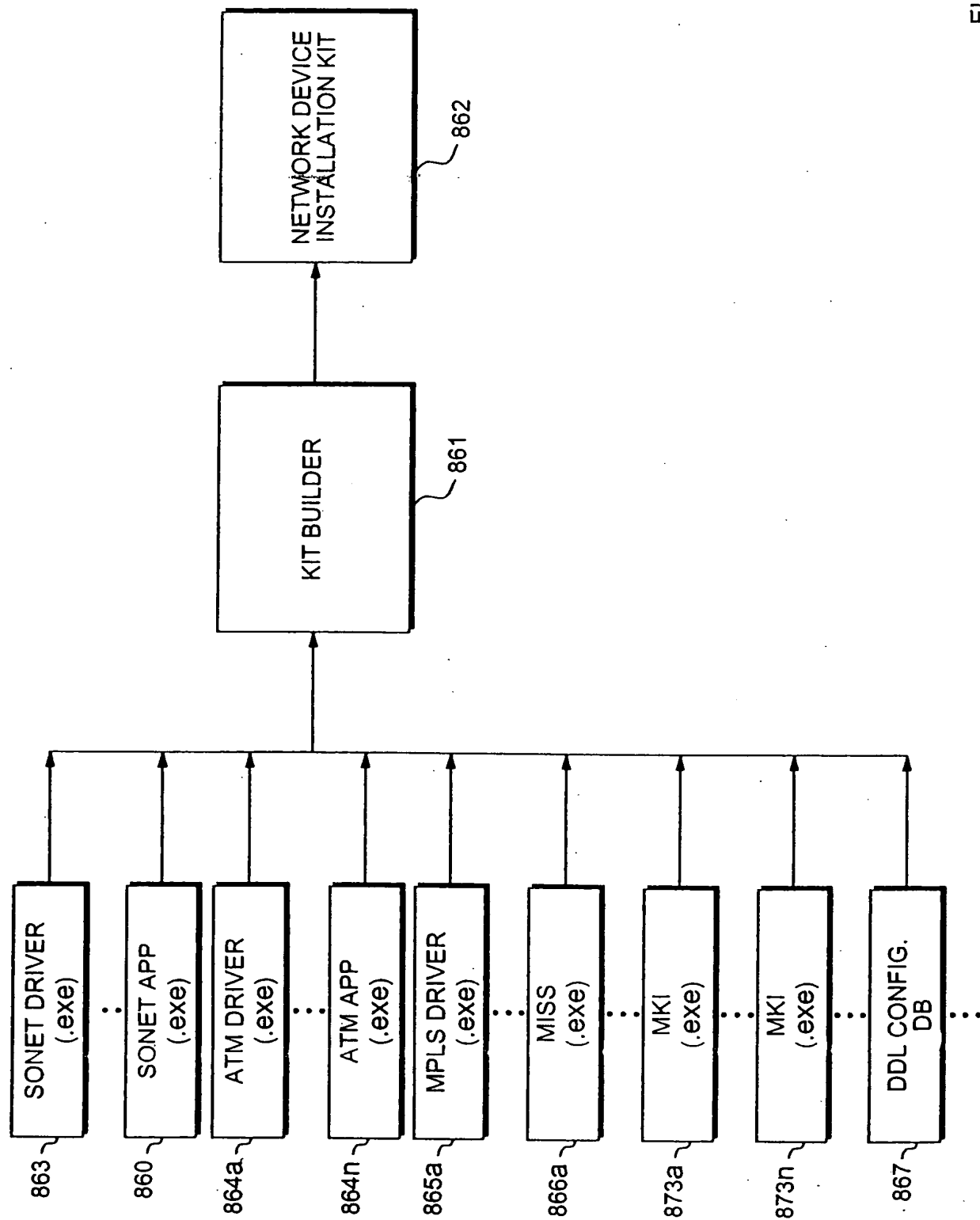


FIG. 3E

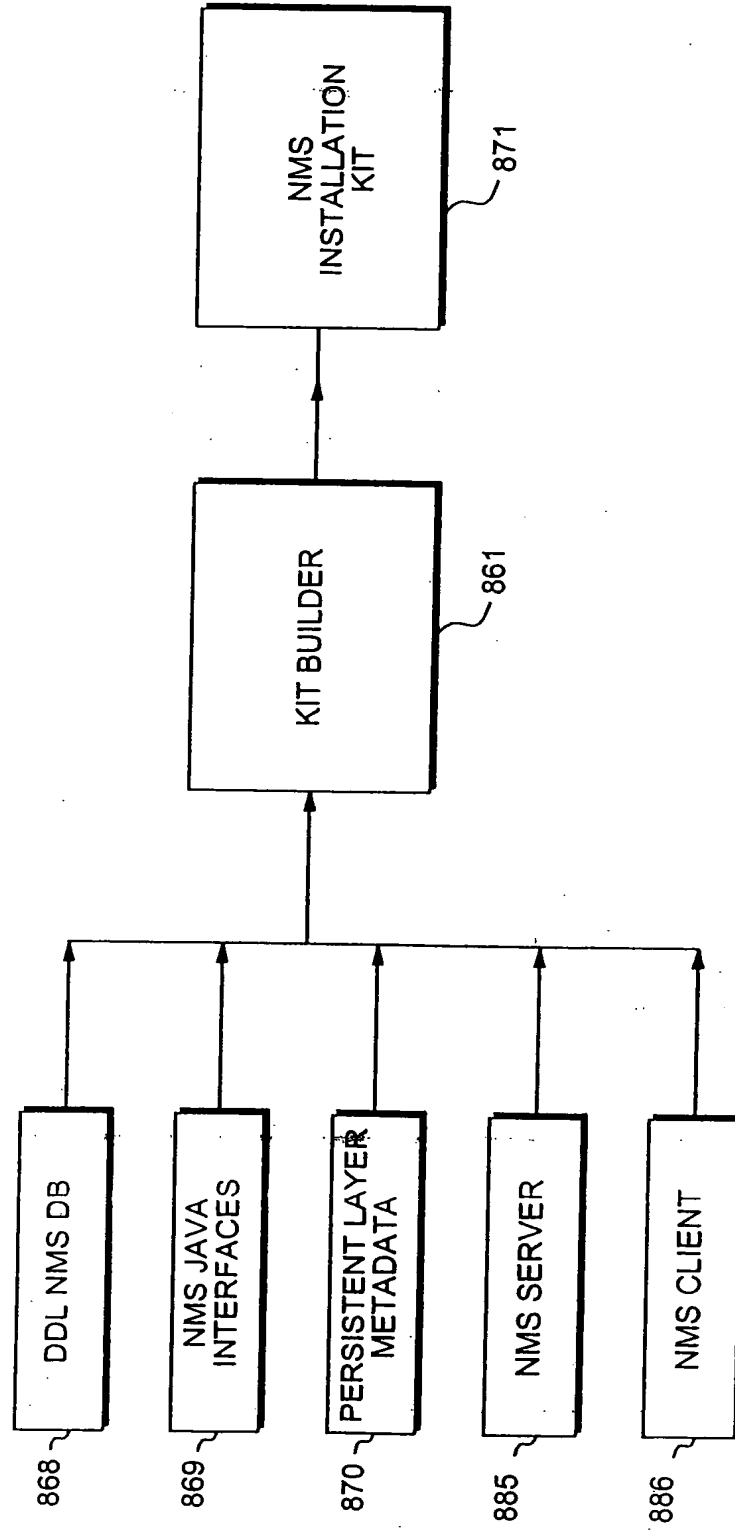


FIG. 3F

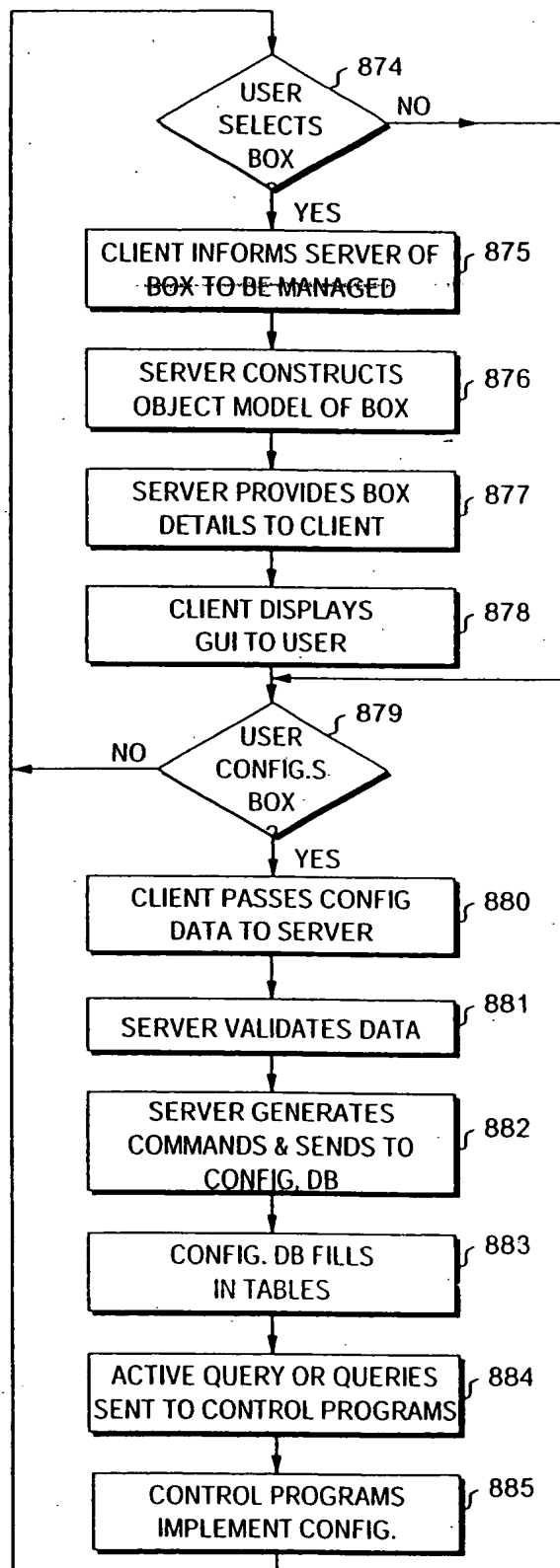


FIG. 3G

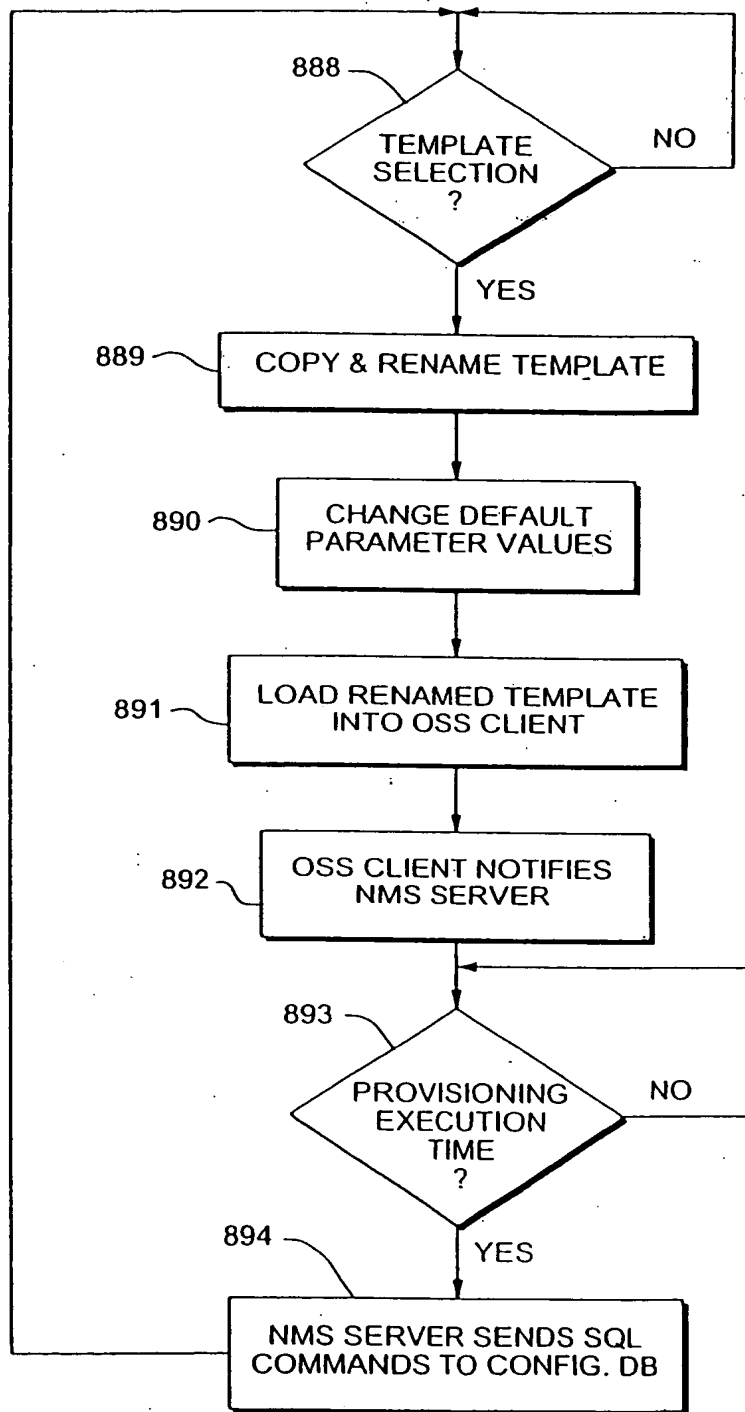


FIG. 3H

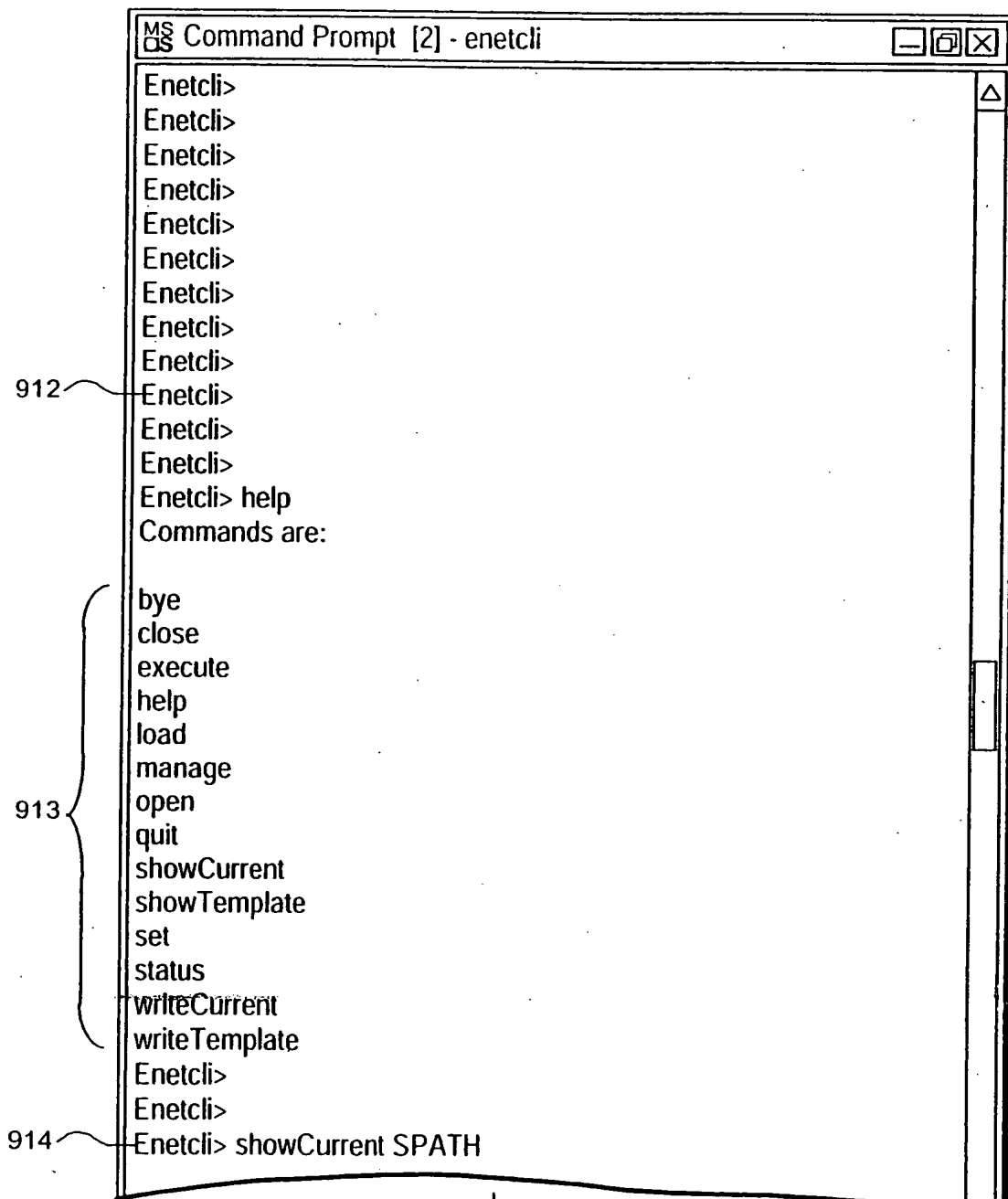


FIG. 3I CONTINUED

FIG. 3I

FROM FIG. 3I

```
ATMIfName=ATMIf11/1/1
Concatenated=false
Name=Path11/1/1
Operant=SPATH
Operator=Create
PortID=1
Position=1
Service=ATM
ShelfID=11
SlotID=1
Type=Terminated
Version=V1_1_0_0
Width=STS3
Enetcli>
Enetcli>
Enetcli>
Enetcli> showTemplate SPATH
ATMIfName=<String>[TerminatedOnly]
Concatenated=<true:false>
Name=<String>
Operant=SPATH
Operator=<Create:Replace:Update:Delete>
PortID=<Integer><1-16>
Position=<Integer>
Service=<None :ATM>
ShelfID=<11[top],13[bottom]>
SlotID=<Integer><1-8>
Type=<switched :Terminated>
Version=V1_1_0_0
Width=<STS1:STS3:STS12:STS48>
Enetcli>
Enetcli>
Enetcli> status
Not currently connected to server
Supporting templates: CONTROL, PVC, SPATH, SPVC,TD, and VAIF
Enetcli>
```

915 {

916 {

917 {

918 {

919 {

920 {

FIG. 3I CONTINUED

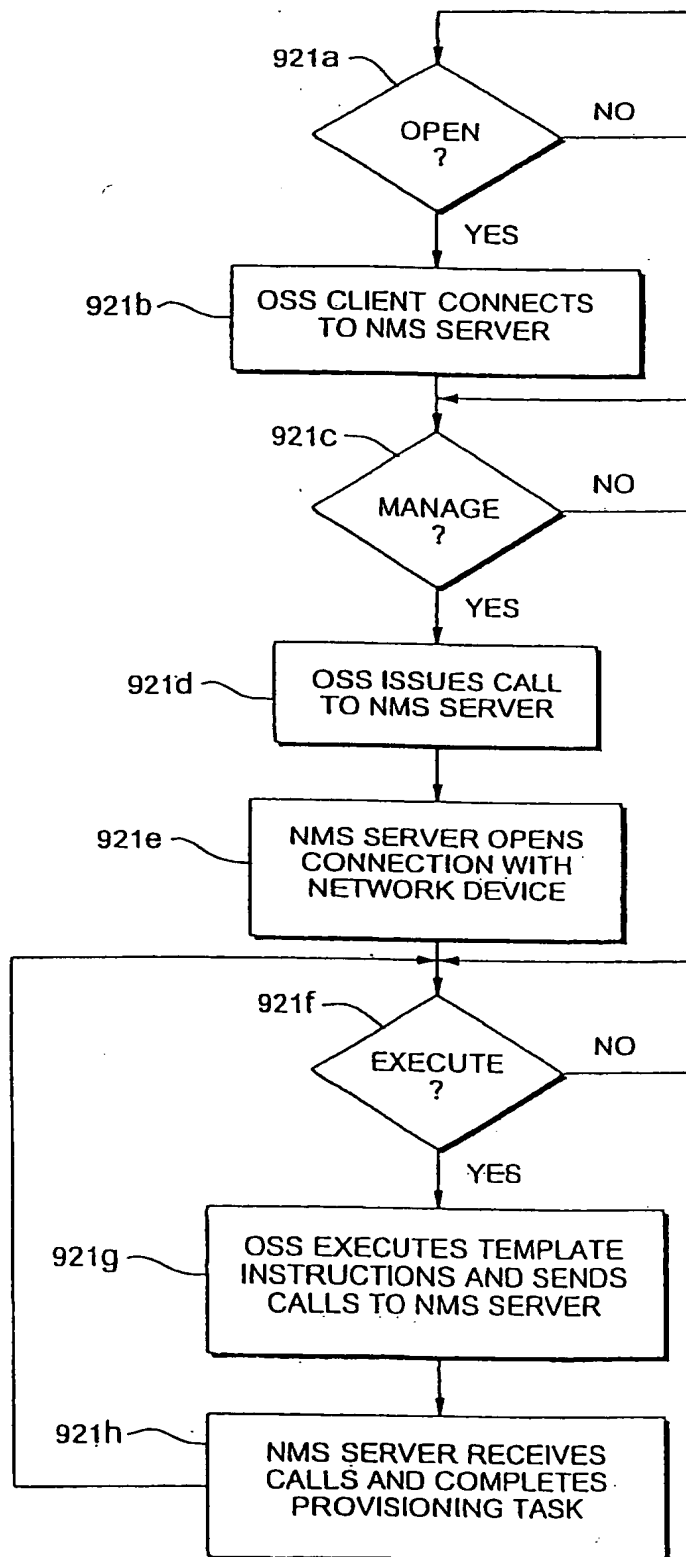


FIG. 3J

```
MS Command Prompt [2] - enetcli
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
922 Enetcli> showCurrent CONTROL
input=Q:\nms\com\equipecom\nms\utils\enetcli
Interactive=false
Operant=CONTROL
923d Operator=Manage
923f Output=Q:\nms\com\equipecom\nms\utils\enetcli
923c Password=None
923e System=192.168.9.202
923b User=None
923g Version=V1_1_0_0
923a Server=localhost
Enetcli>_
```

FIG. 3K

BATCH
924
↙

Operant=BATCH
Operator=Execute
Version=V1_1_0_0
924a ~ TASK1=execute-SPATH
924b ~ TASK2=execute-PVC
924c ~ TASK3=execute-SPVC
924d ~ TASK4=load-SPVC-spvc1
924e ~ TASK5=execute-SPVC
924f ~ TASK6=load-SPVC-spvc2
924e ~ TASK7=execute-SPVC
.
.
924g ~ TASK50=set-SPATH-PortID-3
924h ~ TASK51=execute-SPATH
924i ~ TASK52=set-SPATH-SlotID-2
924j ~ TASK53=execute-SPATH

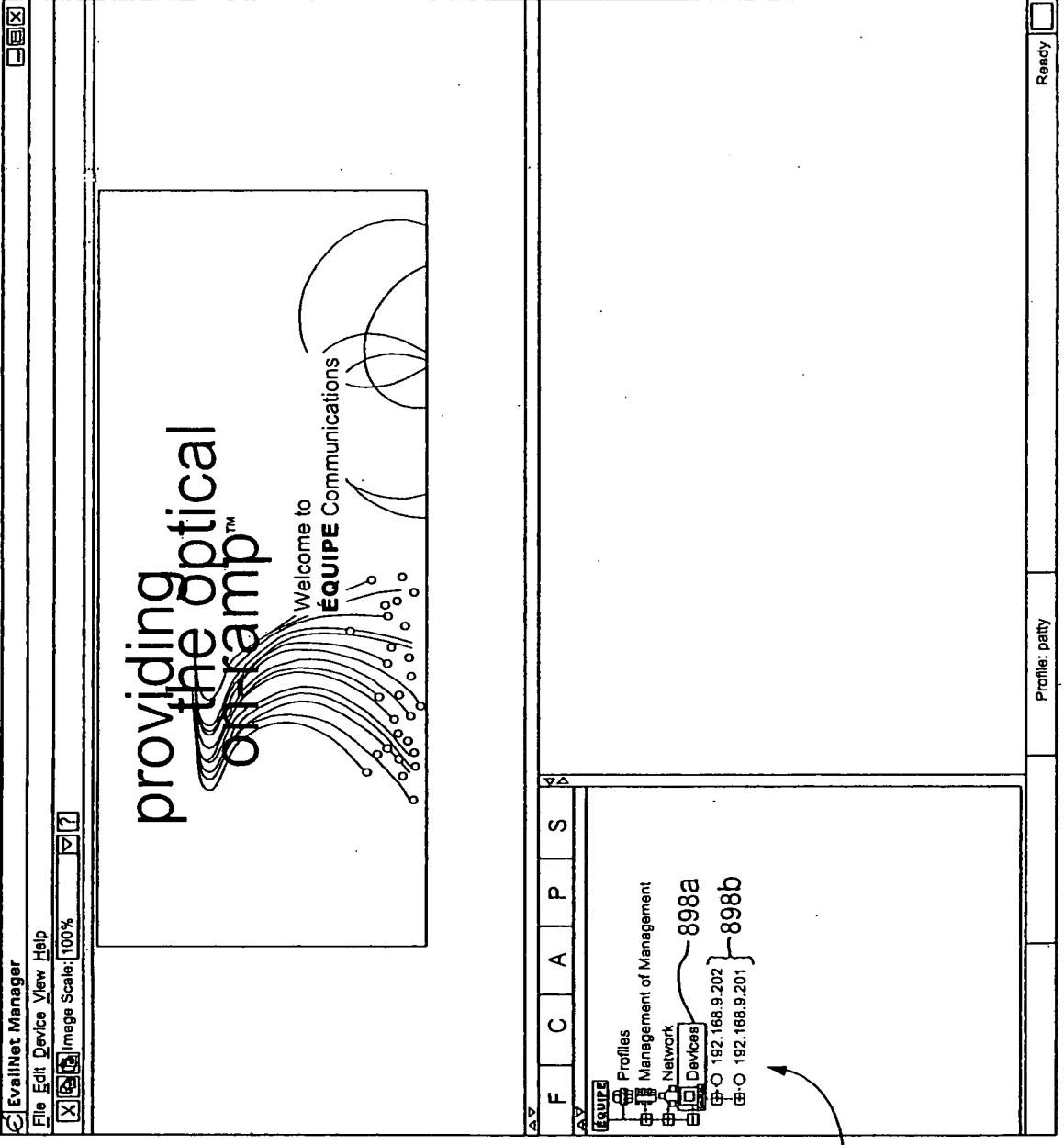
FIG. 3L

925

Operant=BATCH
Operator=Execute
Version=V1_1_0_0
925a ~ TASK1=execute-CONTROL
925b ~ TASK2=execute-SPATH
925c ~ TASK3=set-SPATH-PortID-3
925d ~ TASK4=execute-SPATH
.
.
.
925e ~ TASK61=set-CONTROL-System-192.168.9.201
925f ~ TASK62=execute-CONTROL
925g ~ TASK63=execute-SPATH
.
.
.
925h ~ TASK108=close
925i ~ TASK109=set-CONTROL-Server-Server1
925j ~ TASK110=set-CONTROL-System-192.168.8.200
925k ~ TASK111=execute-CONTROL
925l ~ TASK112=execute-SPATH
.
.
.

FIG. 3M

895



898

FIG. 4A

895

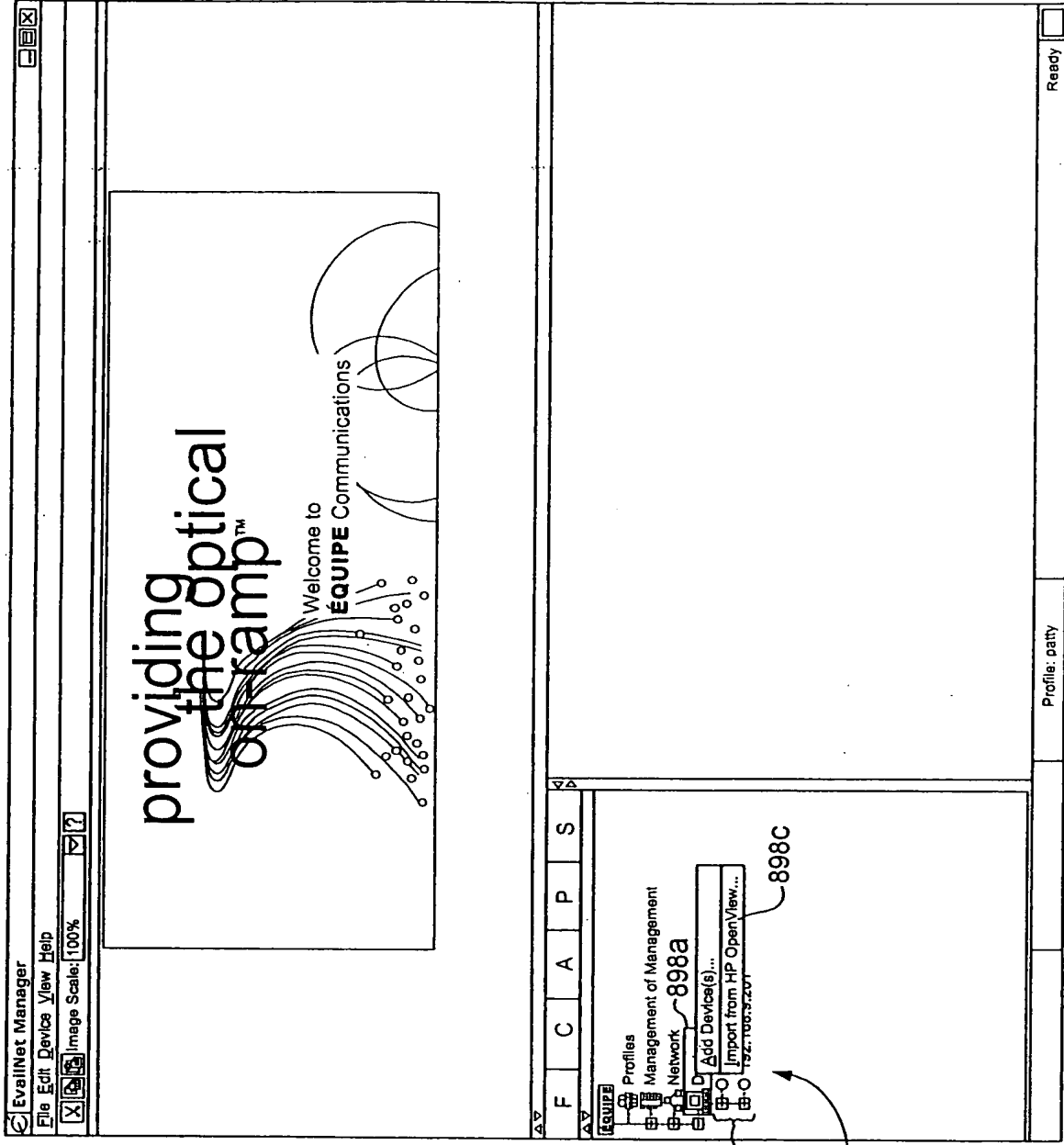


FIG. 4B

AddDeleteDeviceDlg

Enter device to add 898e

192.168.9.203

☒ Manage device in on-line mode

Add 898f

Device List

On-Line Device

OK Cancel Delete

898d

FIG. 4C

AddDeleteDeviceDlg

Enter device to add 898e

☒ Manage device in on-line mode

Add 898f

Device List

On-Line Device

☒ 192.168.9.203 898g

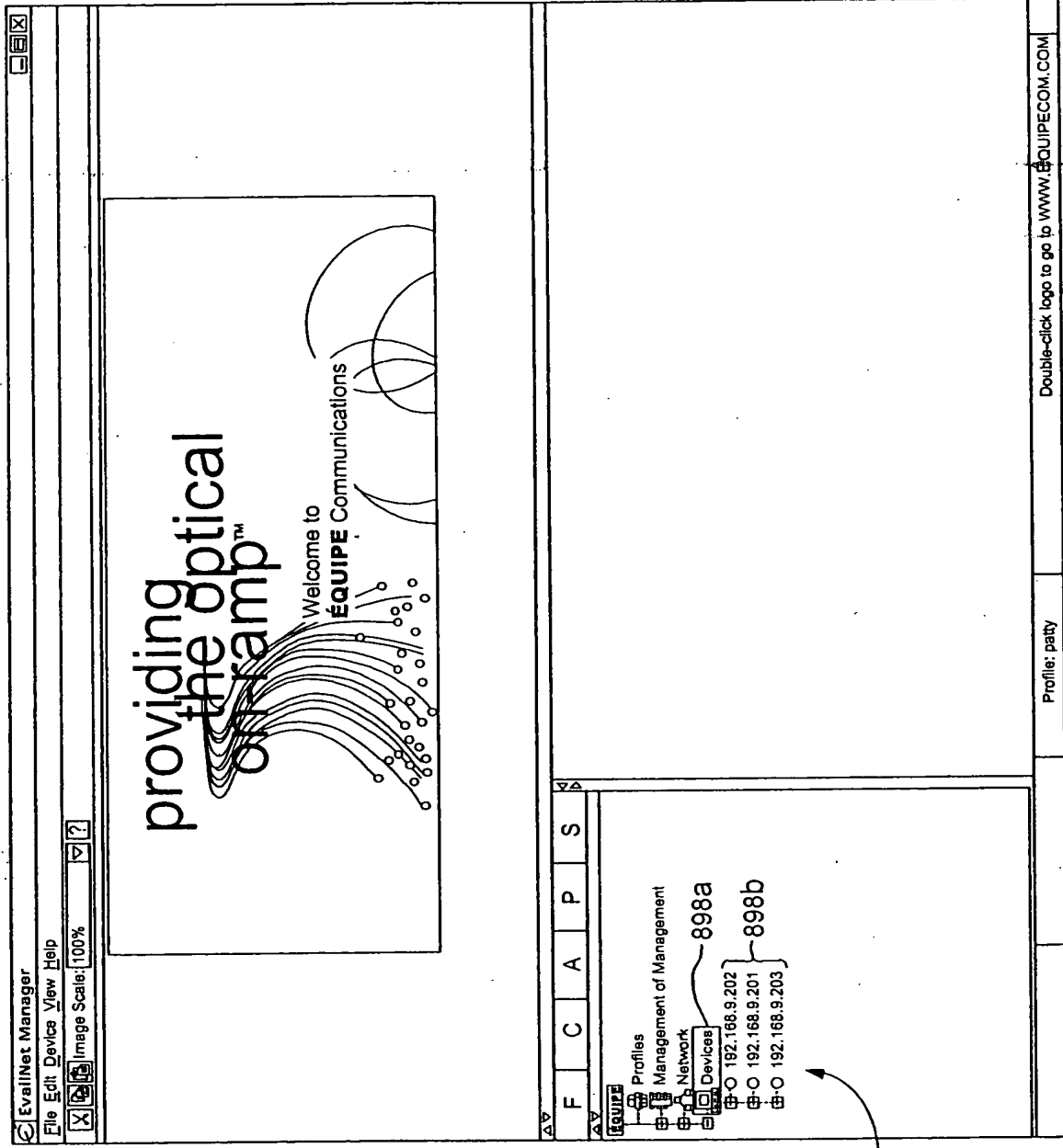
898j OK Cancel Delete 898h

898i

898d

FIG. 4D

895



898

FIG. 4E

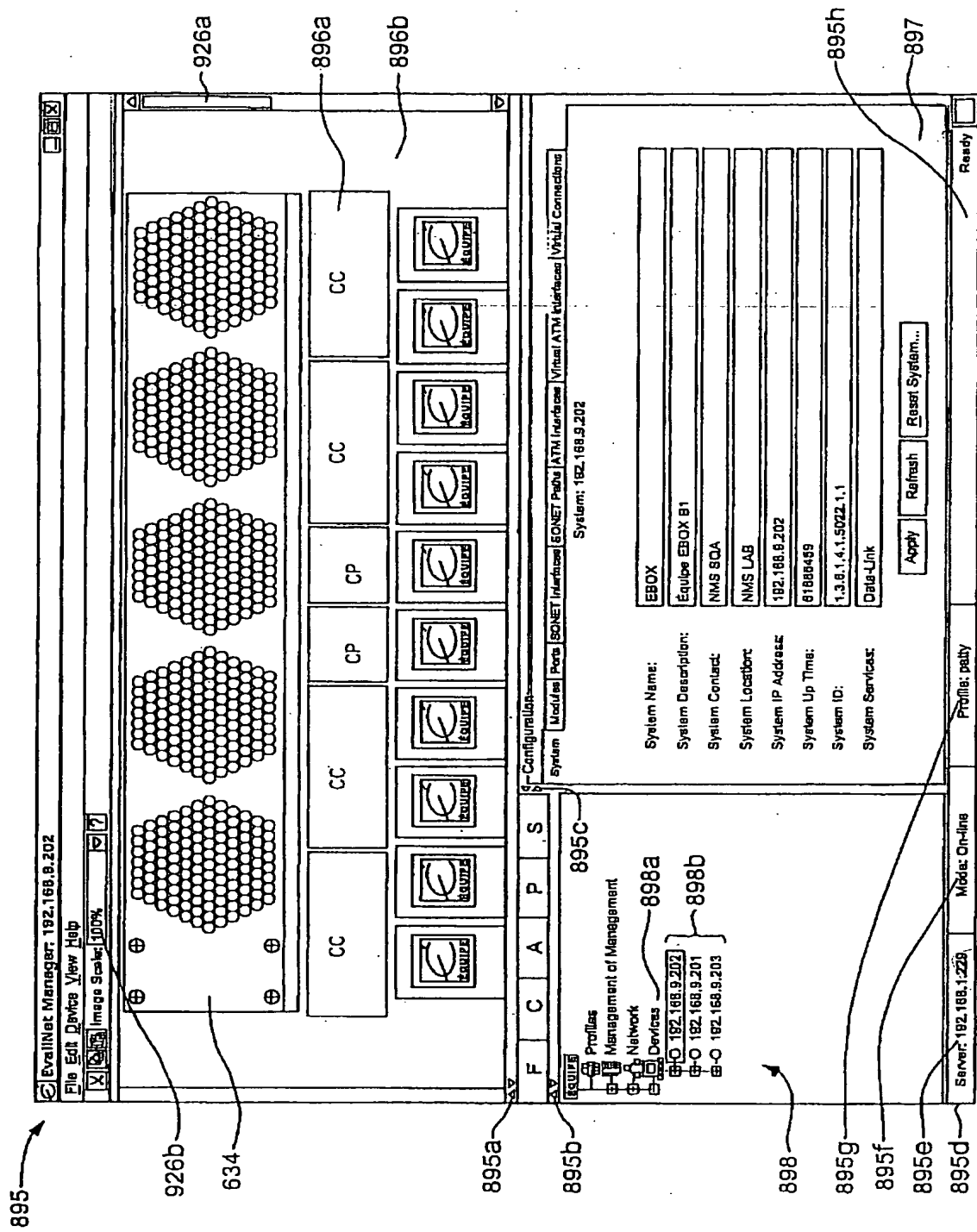


FIG. 4F

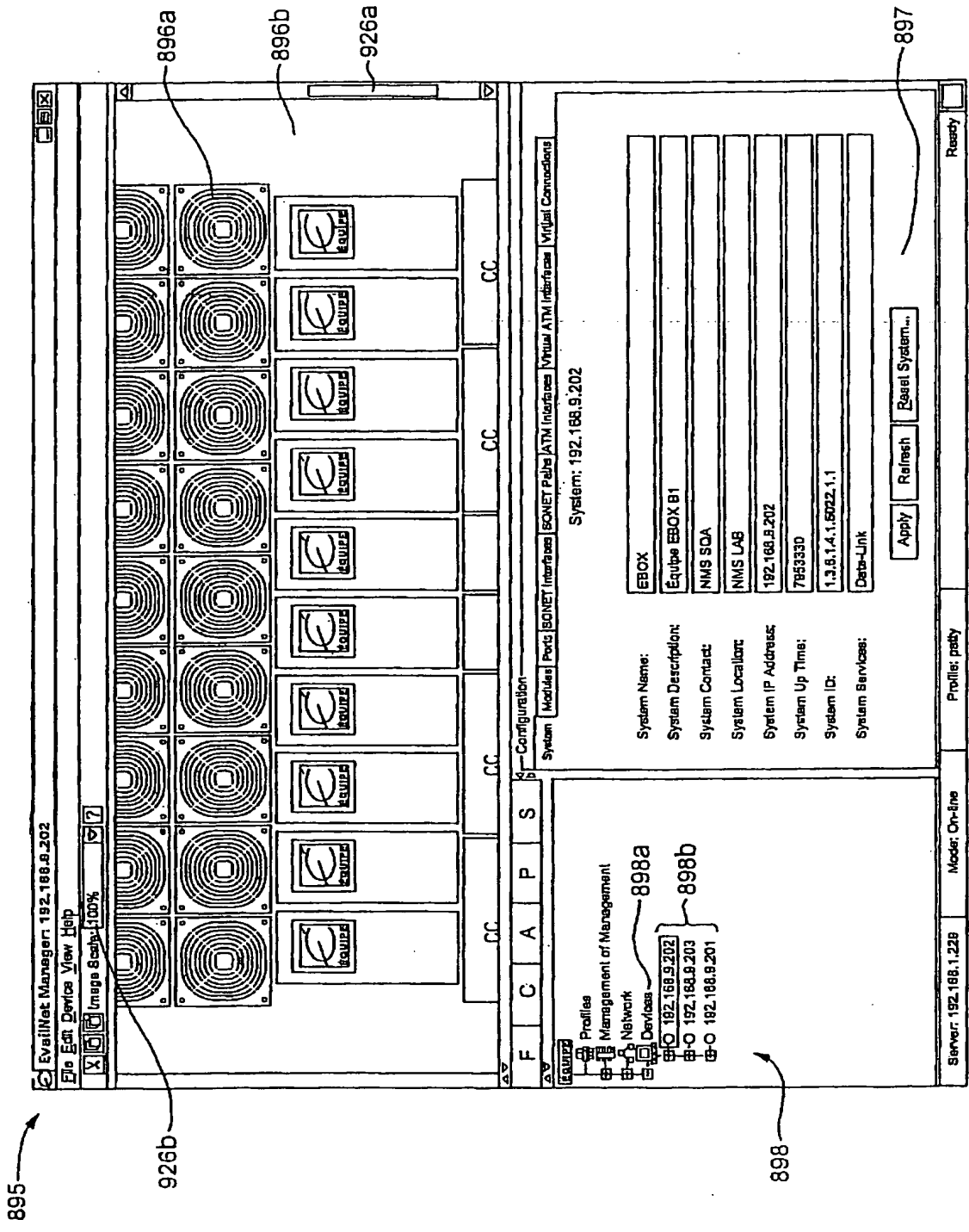


FIG. 4G

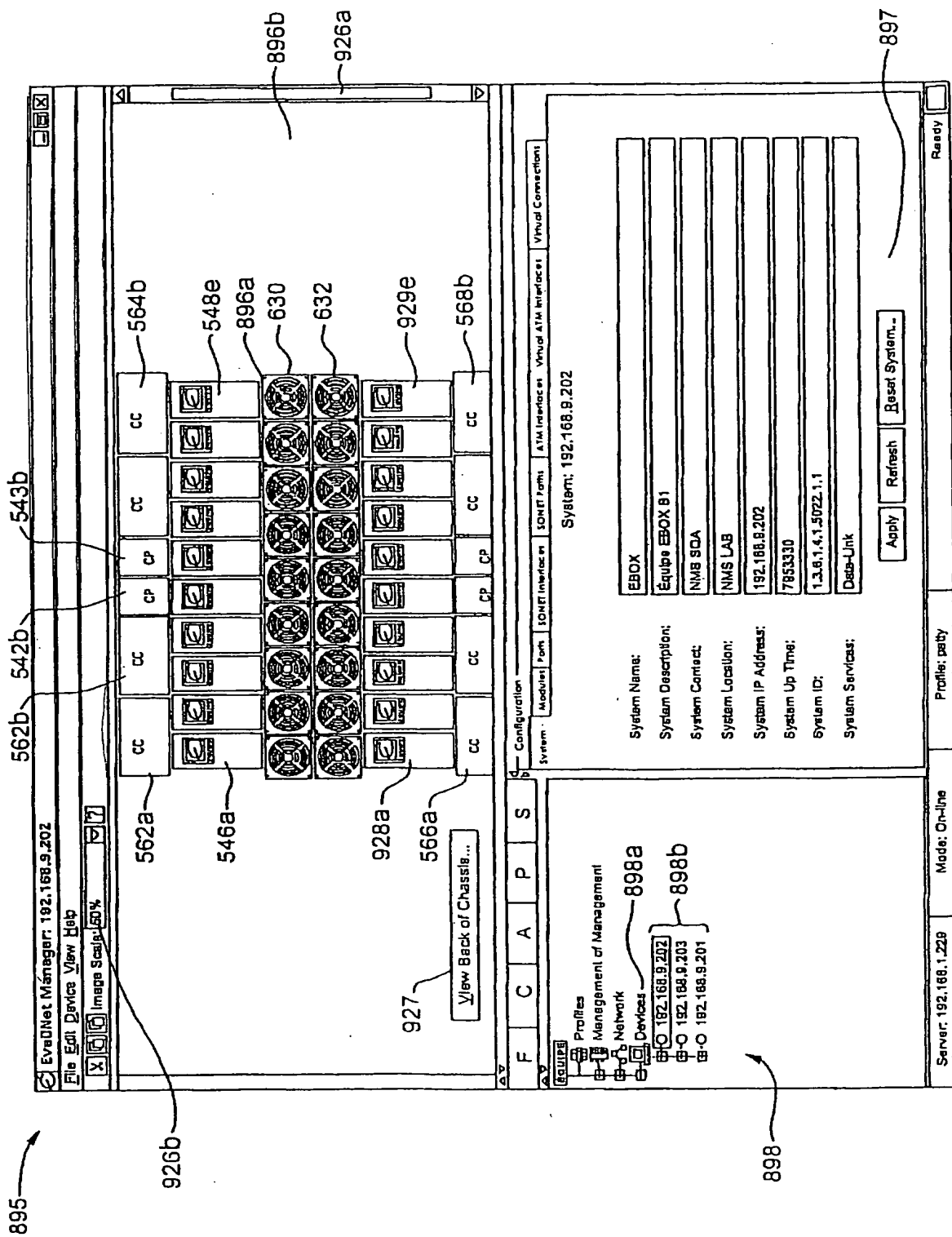


FIG. 4H

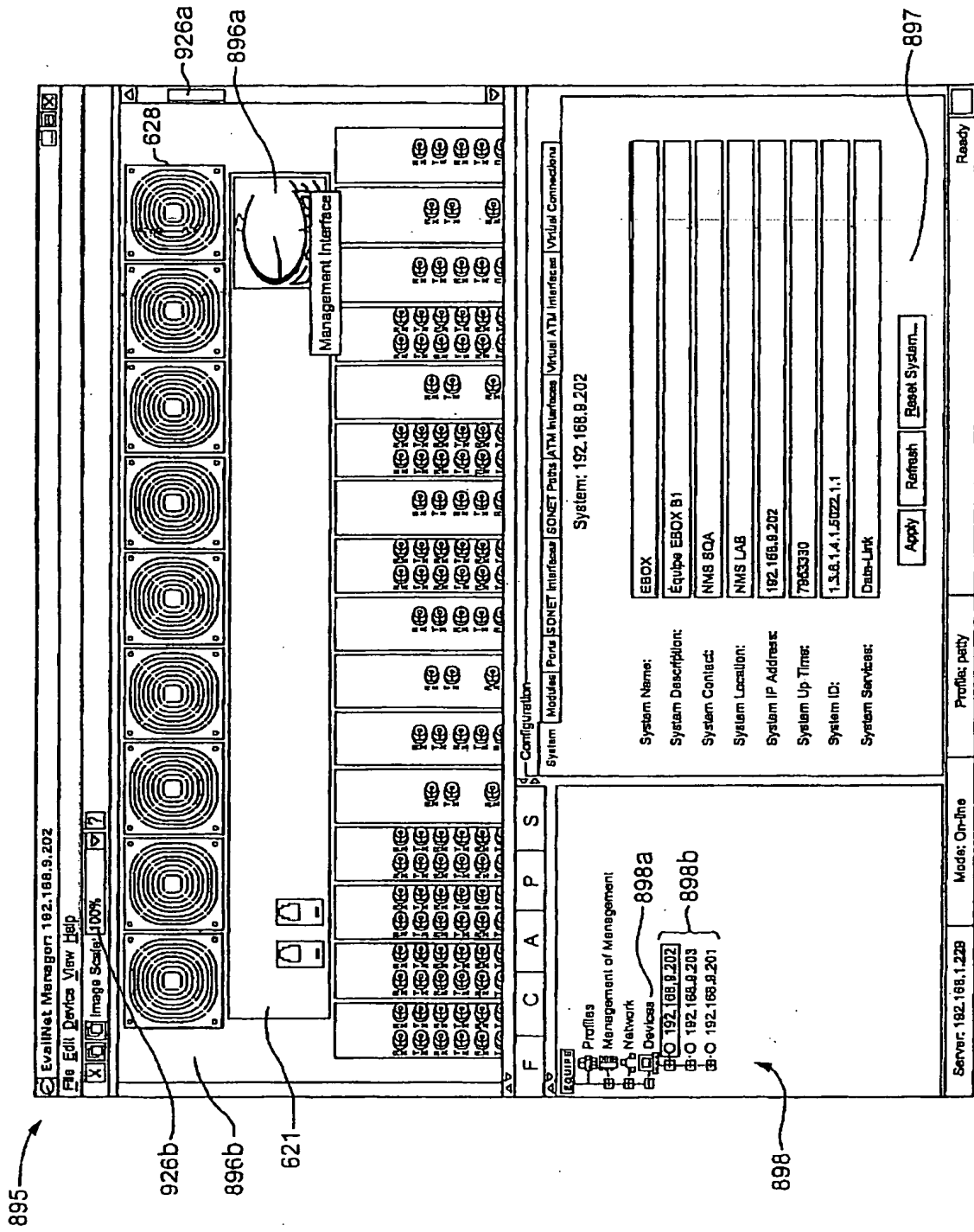


FIG. 4I

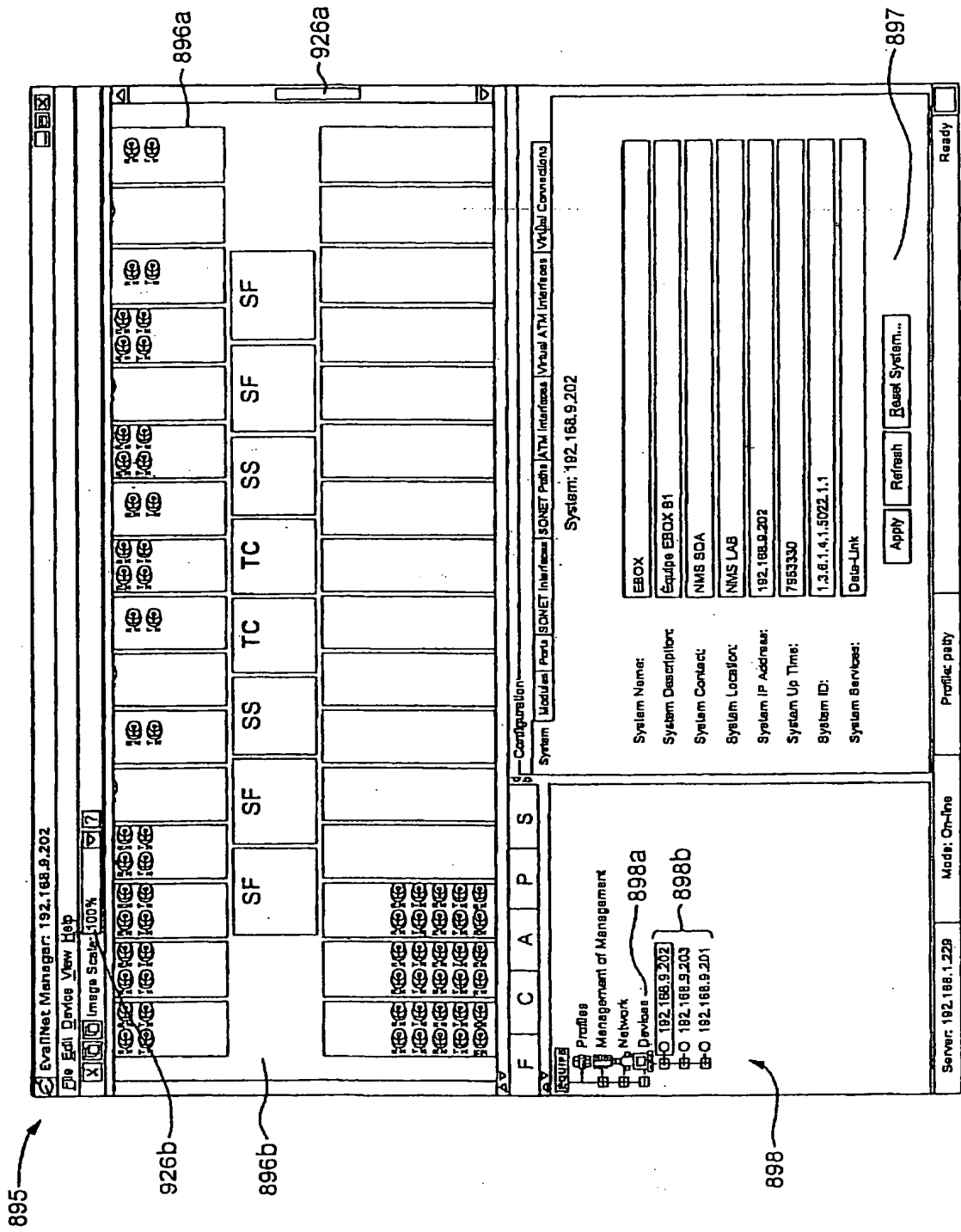


FIG. 4J

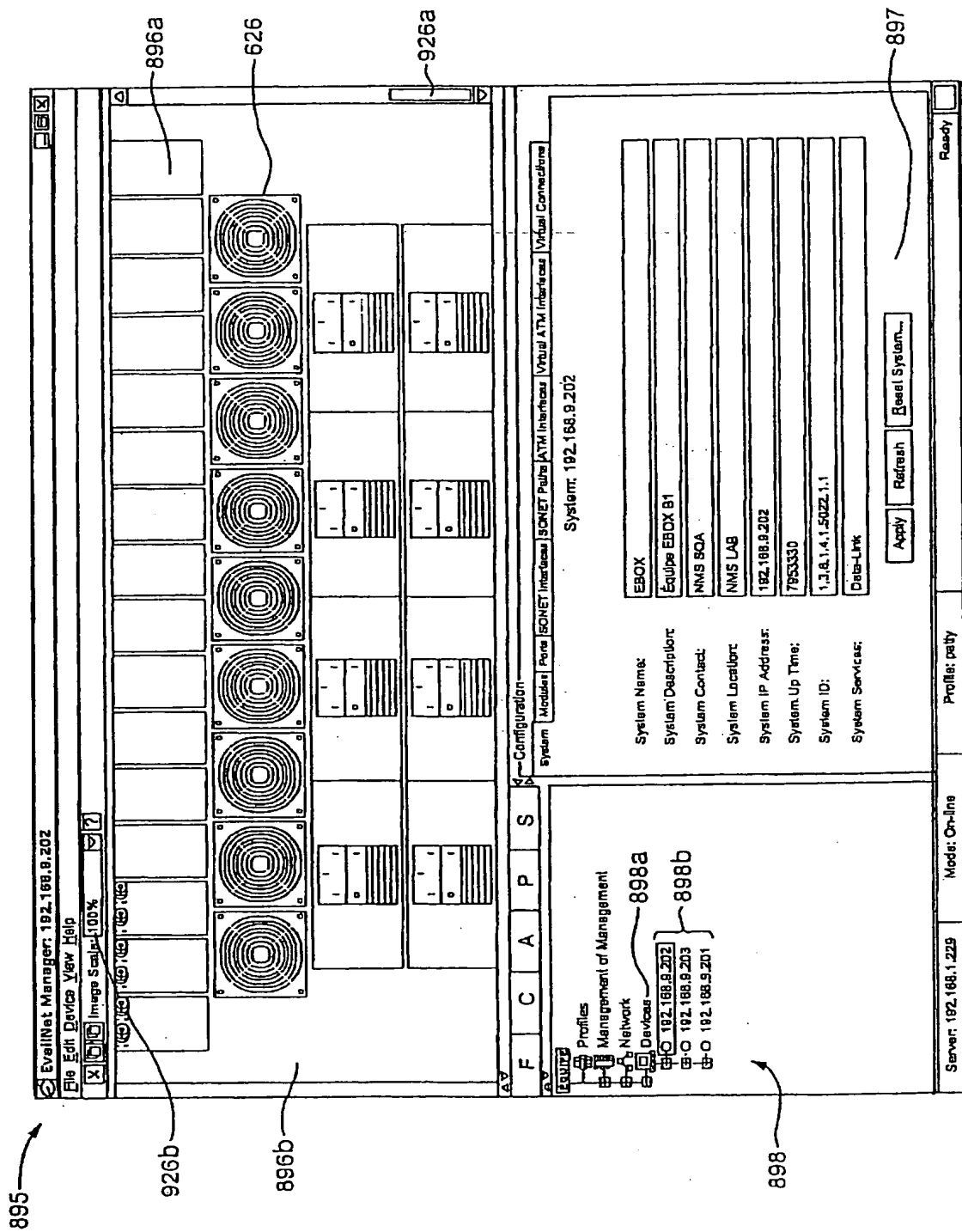


FIG. 4K

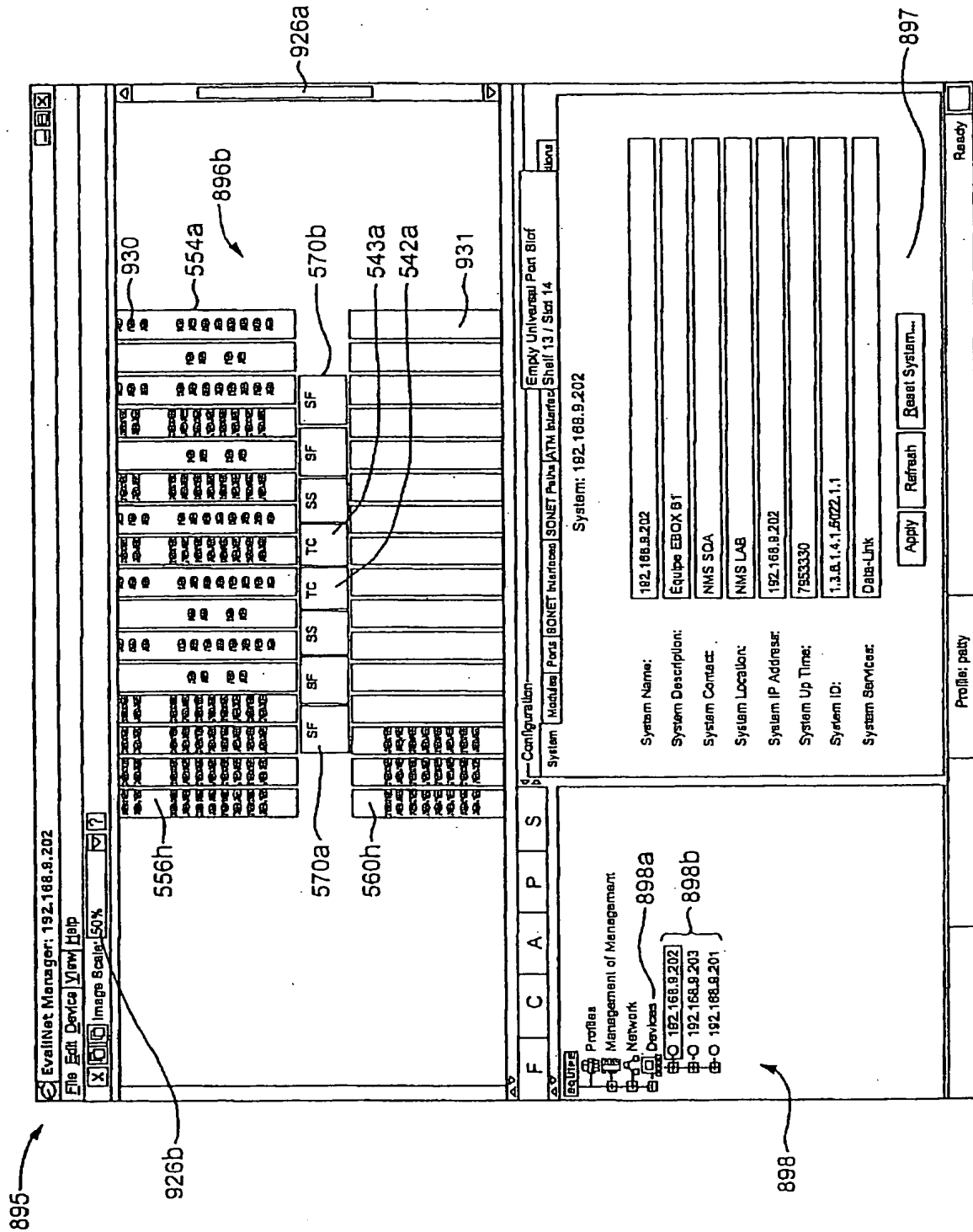


FIG. 4L

[illegible]

FIG. 4M

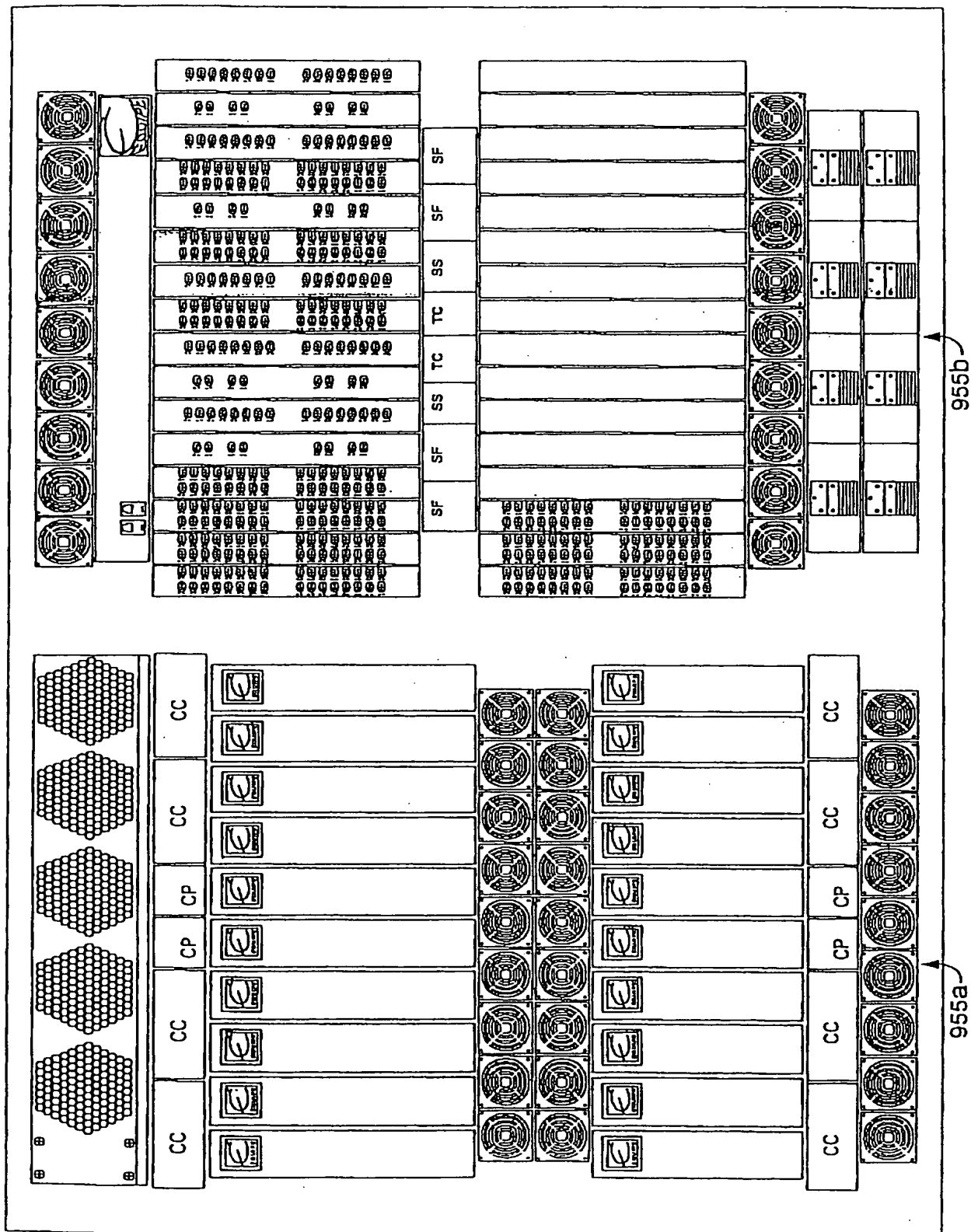
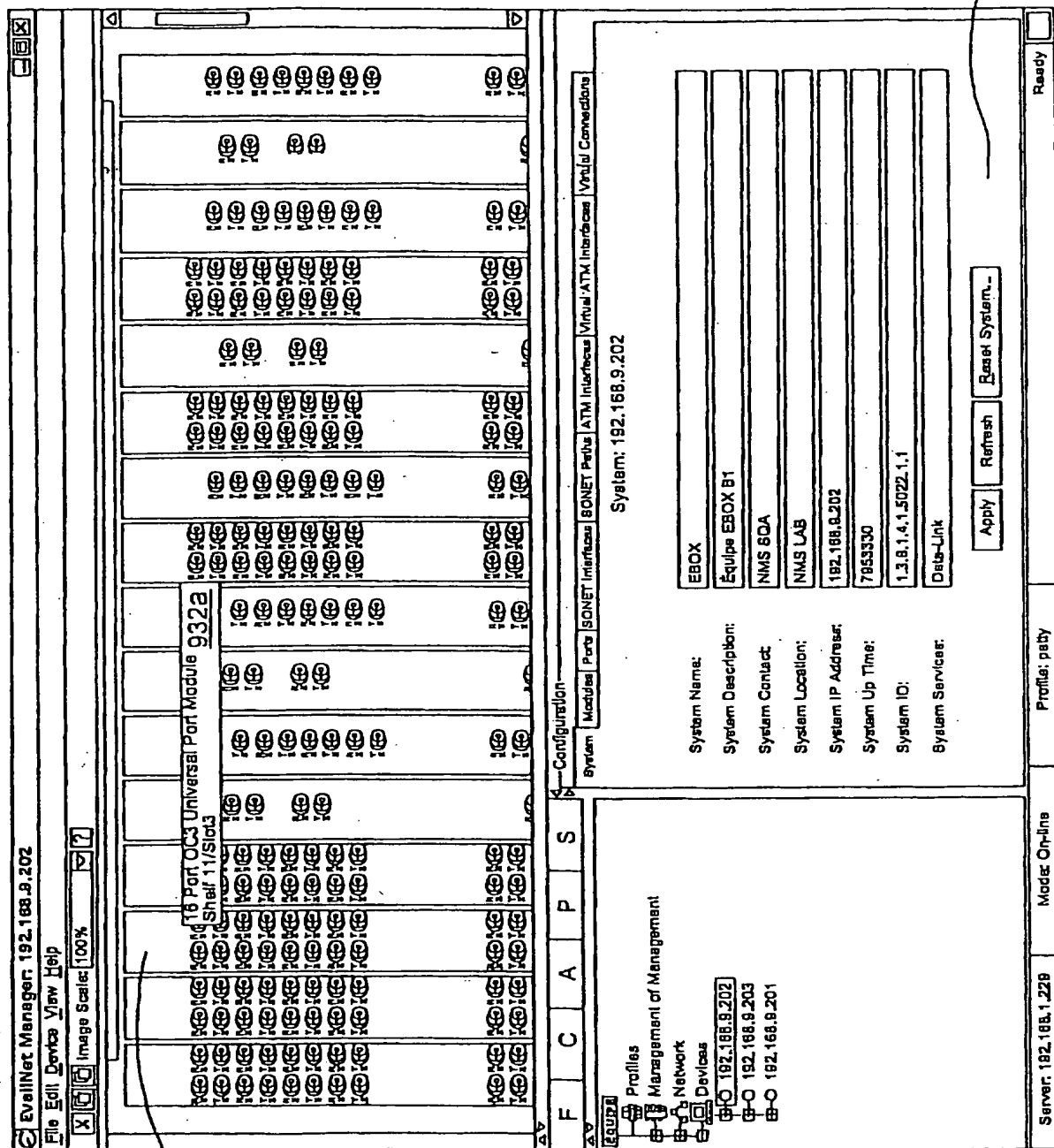
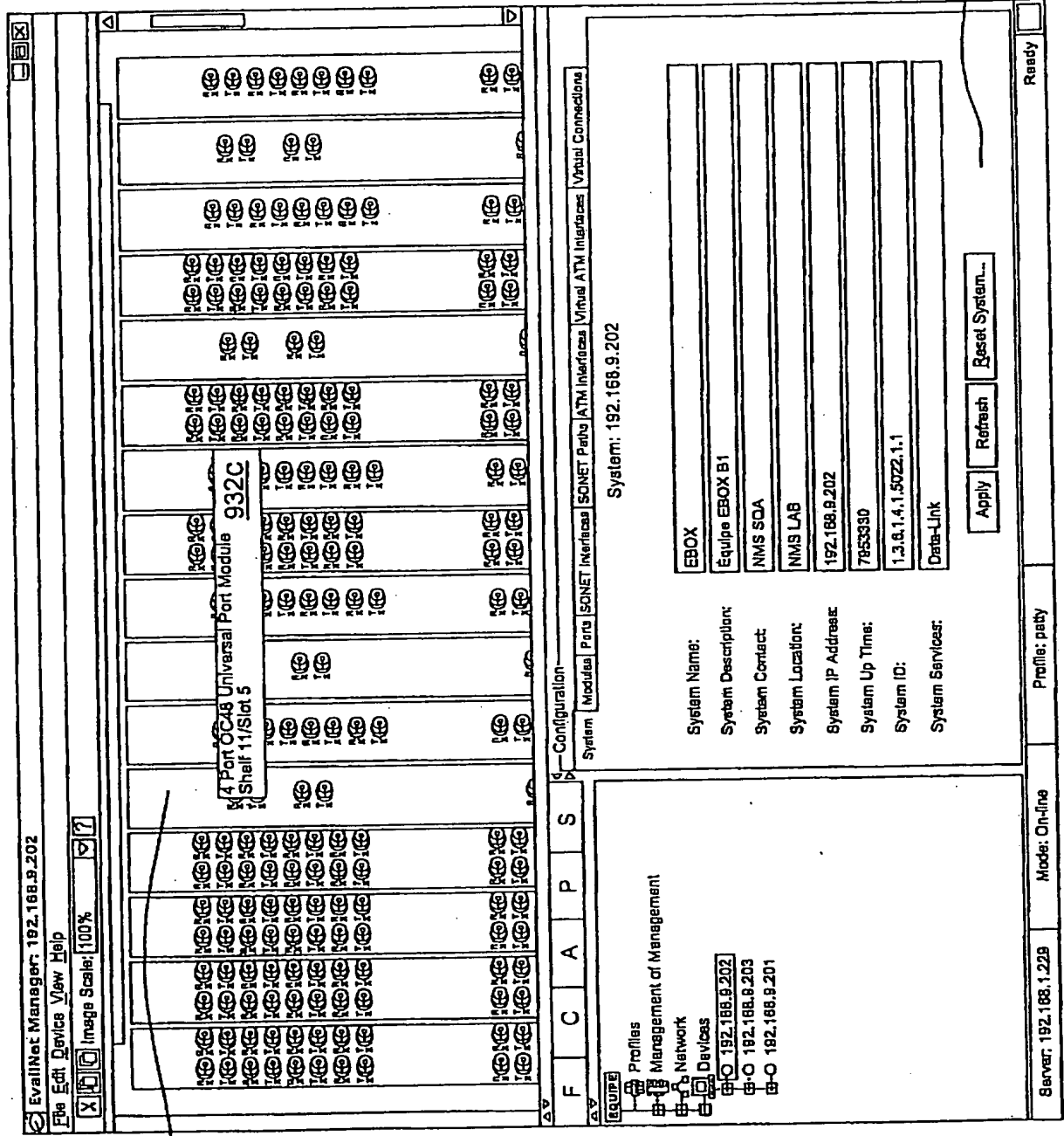


FIG. 4N



895



556d

897

FIG. 4Q

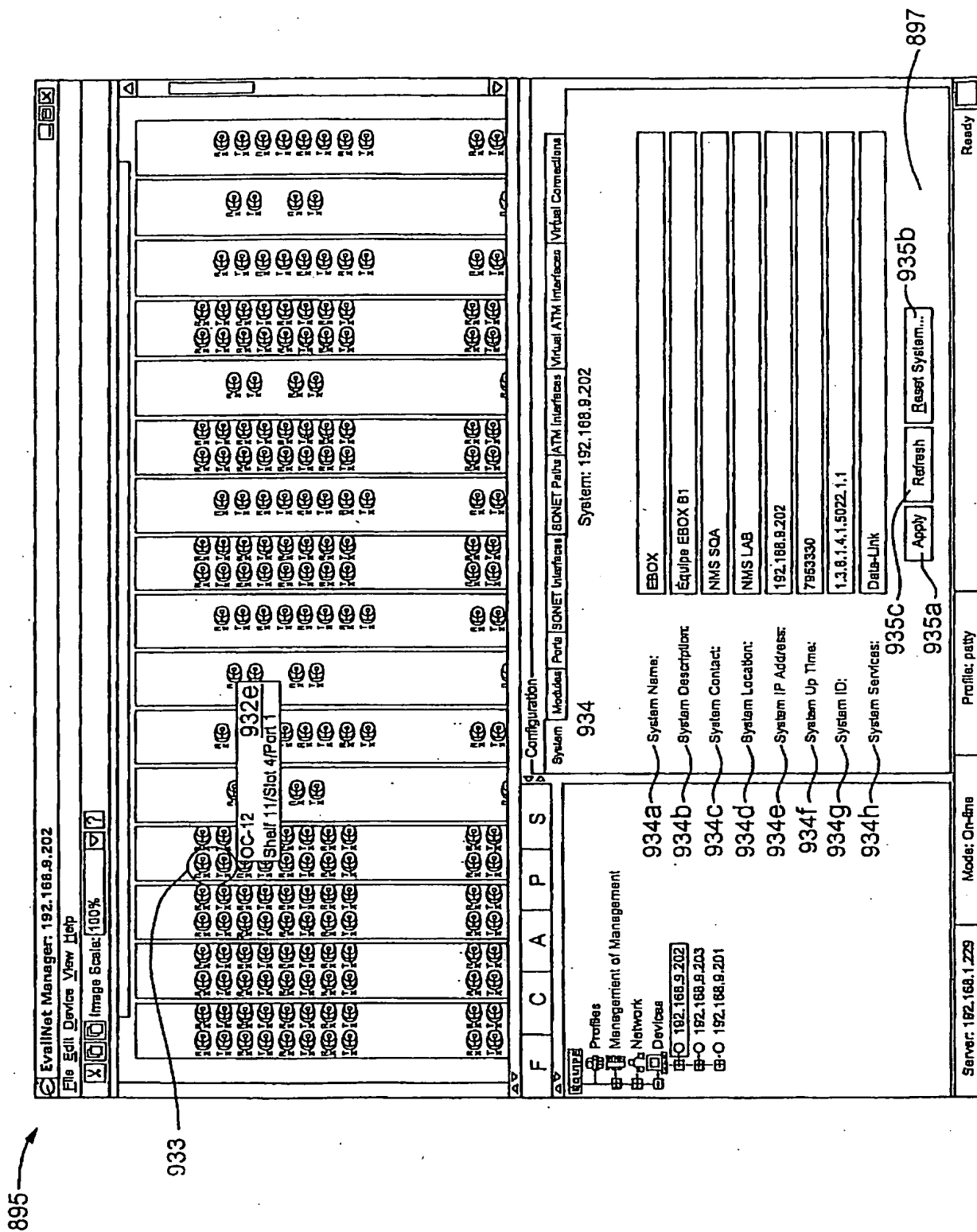


FIG. 4S

FIG. 4T

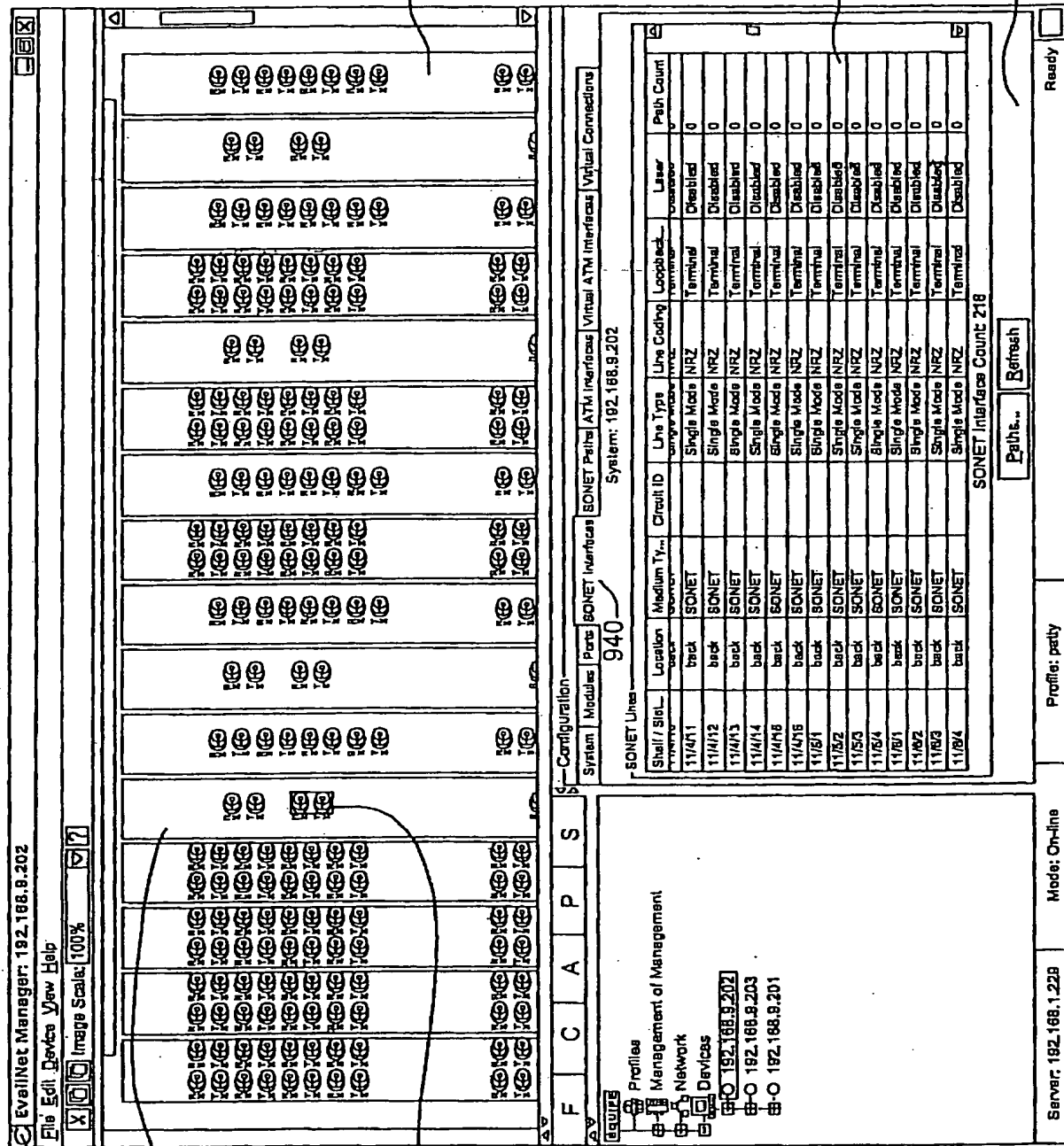


FIG. 4V

895

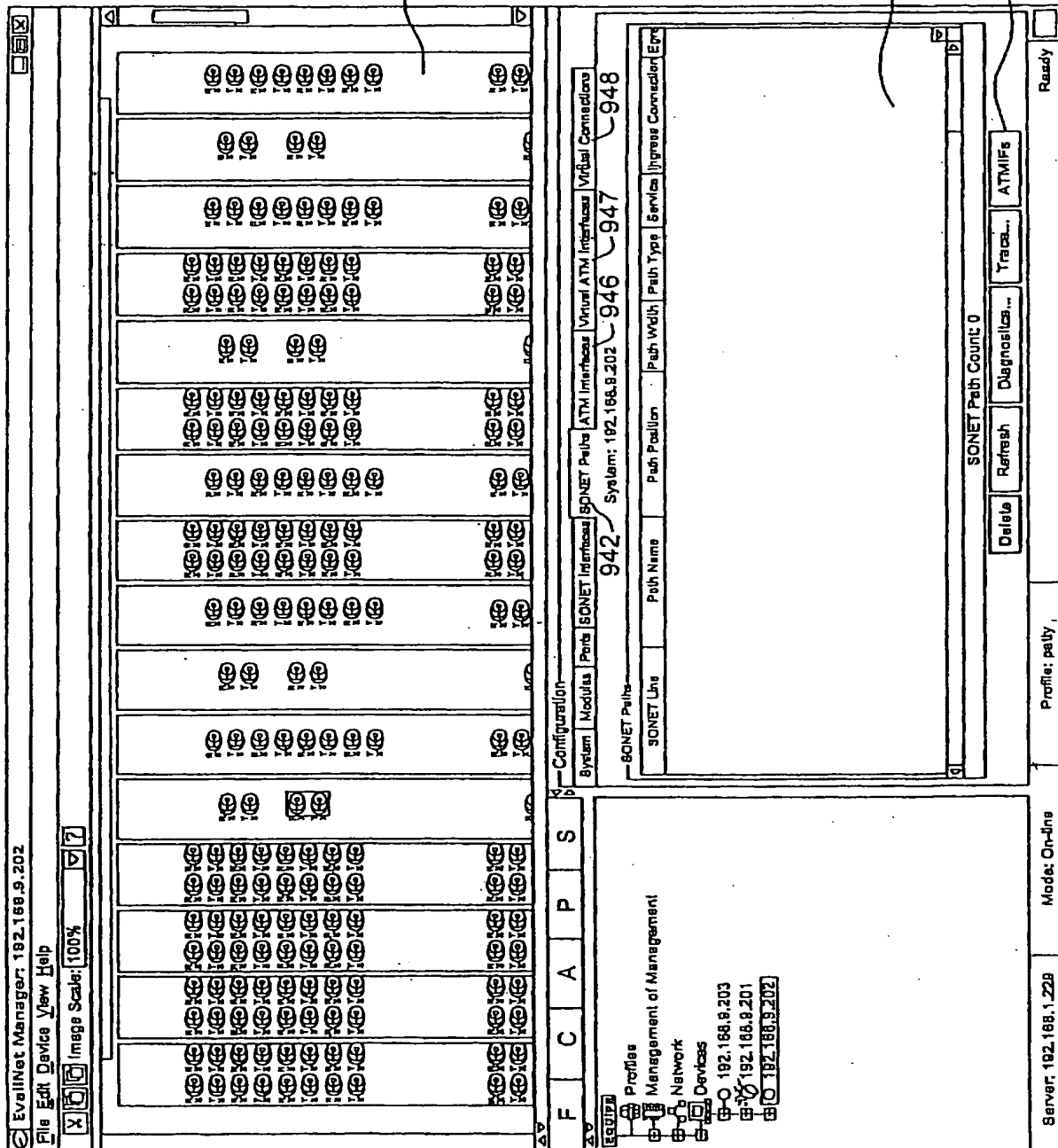


FIG. 4W

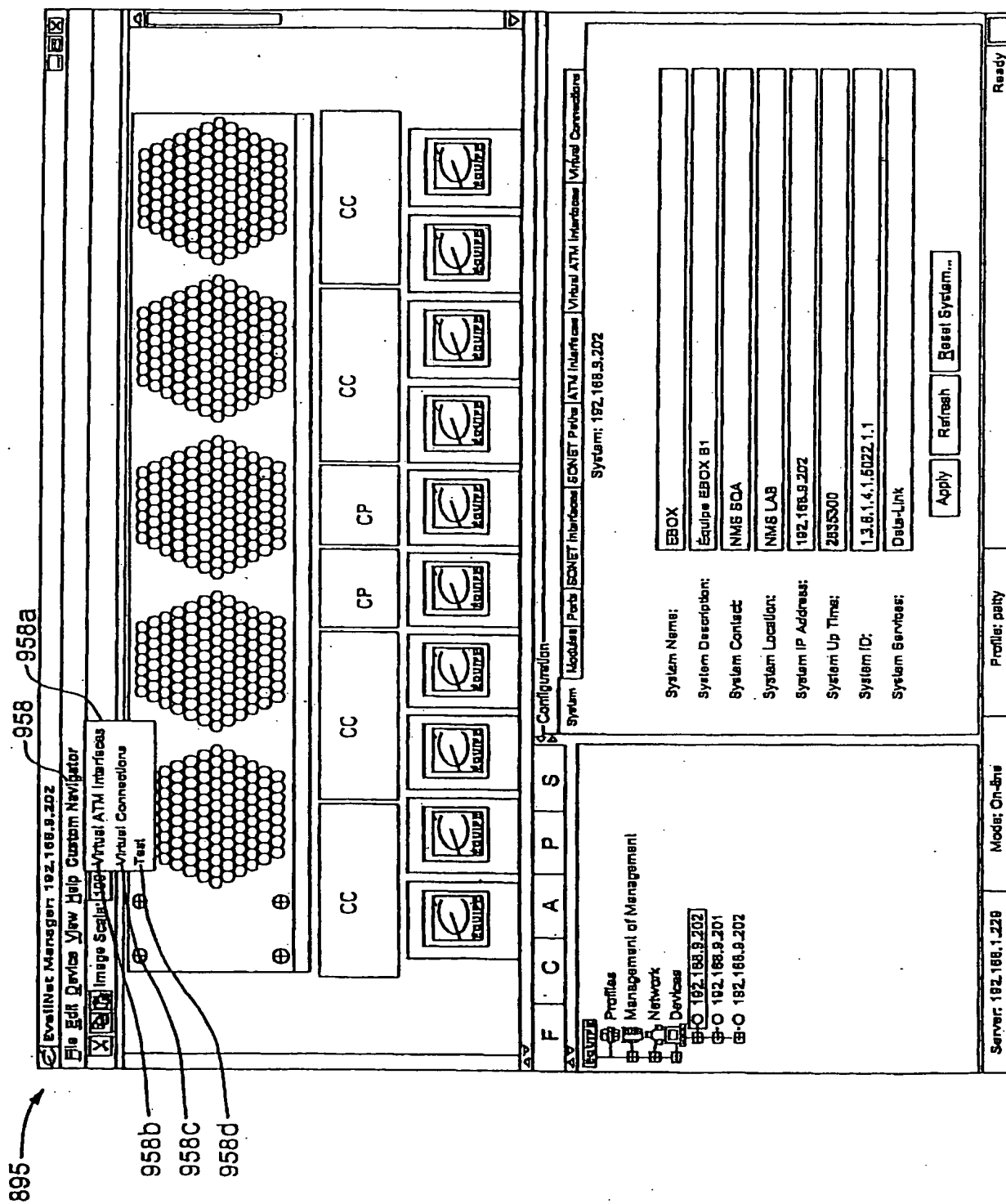


FIG. 4X

961

EvaiNet Manager: SONET Path Configuration 11/5/1

System: 192.168.9.202

SONET Line

961a

Slot

Port

Type

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)

☐ Configure

☐ Custom Configuration

4

STS-12c

paths

961b

Next

Cancel

FIG. 4Z

895

943

556e

939a

896a

939b

897

EvallNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 100%

Port Properties

Port Reset

Configure SONET Paths...

Show ATM Interfaces

Show Virtual Interfaces

Add Virtual Connections...

Show Virtual Connections

Show ATM Statistics

Show SONET Statistics

943

939a

556e

895

896a

939b

897

F C A P S

Configuration

System Modules

Ports

SONET Interfaces

SONET Paths

ATM Interfaces

Virtual ATM Interfaces

Virtual Connections

System: 192.168.9.202

938

Port Details

Shell / Slot / Port	Location	Name	Type	Speed	Admin. Status	Oper. Status	Link Status
11/4/1	back	Sonet Port 2	SONET	0 Mbps	Down	Unknown	Up
11/4/2	back	Sonet Port 2	SONET	0 Mbps	Down	Unknown	Up
11/4/3	back	Sonet Port 3	SONET	0 Mbps	Down	Unknown	Up
11/4/4	back	Sonet Port 4	SONET	0 Mbps	Down	Unknown	Up
11/4/5	back	Sonet Port 5	SONET	0 Mbps	Down	Unknown	Up
11/4/6	back	Sonet Port 6	SONET	0 Mbps	Down	Unknown	Up
11/4/7	back	Sonet Port 7	SONET	0 Mbps	Down	Unknown	Up
11/4/8	back	Sonet Port 8	SONET	0 Mbps	Down	Unknown	Up
11/4/9	back	Sonet Port 9	SONET	0 Mbps	Down	Unknown	Up
11/4/10	back	Sonet Port 10	SONET	0 Mbps	Down	Unknown	Up
11/4/11	back	Sonet Port 11	SONET	0 Mbps	Down	Unknown	Up
11/4/12	back	Sonet Port 12	SONET	0 Mbps	Down	Unknown	Up
11/4/13	back	Sonet Port 13	SONET	0 Mbps	Down	Unknown	Up
11/4/14	back	Sonet Port 14	SONET	0 Mbps	Down	Unknown	Up
11/4/15	back	Sonet Port 15	SONET	0 Mbps	Down	Unknown	Up

Port Count: 216

Profiles

Management of Management

Network

Devices

192.168.9.202

192.168.9.203

192.168.9.201

Server: 192.168.1.229

Mode: On-line

Profile: patty

Ready

FIG. 5A

EvallNet Manager: SONET Path Configuration - 11/4/1

X

System: 192.168.9.202

SONET Line

Slot

4

Port

1

Type

OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☐ Configure

☐ Custom Configuration

4

paths

STS-3c

OK

Cancel

FIG. 5B

EvaiNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot

4

Port

1

Type

OC12

SONET Path Wizard

☒ Configure a single concatenated path (STS-12c)
 ☐ Configure
 ☐ Custom Configuration

4

STS-3c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wl.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/4/1	1	STS-12c	Termin.	ATM		

Modify

Graphical Representation

Position

Width

1

STS-12c

944r

OK

Cancel

944q

FIG. 5C

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4

Port 1

Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
 ☒

Configure

☐ Custom Configuration

4

STS-3c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/...	1	STS-3c	Termin.	ATM		
11/4/1	Path2_11/...	4	STS-3c	Termin.	ATM		
11/4/1	Path3_11/...	7	STS-3c	Termin.	ATM		
11/4/1	Path4_11/...	10	STS-3c	Termin.	ATM		

Modify

OK

Cancel

Graphical Representation

Position

Width

1

4

7

10

STS-3c

STS-3c

STS-3c

STS-3c

FIG. 5D

FIG. 5E

EvalNet Manager: SONET Path Configuration - 11/4/1
System: 192.168.9.202

SONET Line
Slot: 4 Port: 1 Type: OC12

SONET Path Wizard
☐ Configure a single concatenated path (STS-12c)
☐ Custom Configuration

Functions
 Available SONET Paths: STS-3C
 Add> <Remove <<Clear

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/4/1	Path1_11/...	1	STS-3c	Terminated	ATM		
11/4/1	Path2_11/...	4	STS-3c	Terminated	ATM		
11/4/1	Path3_11/...	7		Terminated	ATM		

Graphical Representation
 Position: 1 Width: 4
 STS-3C STS-3C

Buttons: OK Cancel

FIG. 5F

EvailNet Manager: SONET Path Configuration - 11/4/1

SONET Line

Slot

4

Port

1

Type

OC12

System: 192.168.9.202

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
Shelf11/Sl...	Path1_11/...	1	3	2	1		
Shelf11/Sl...	Path2_11/...	4	3	2	1		

944p

Modify

Add

Delete

945k

Graphical Representation

Position

1

4

Width

STS-3c

STS-3c

945e

945f

945a

945g

945

945r

945n

OK

Cancel

FIG. 5G

FIG. 5H

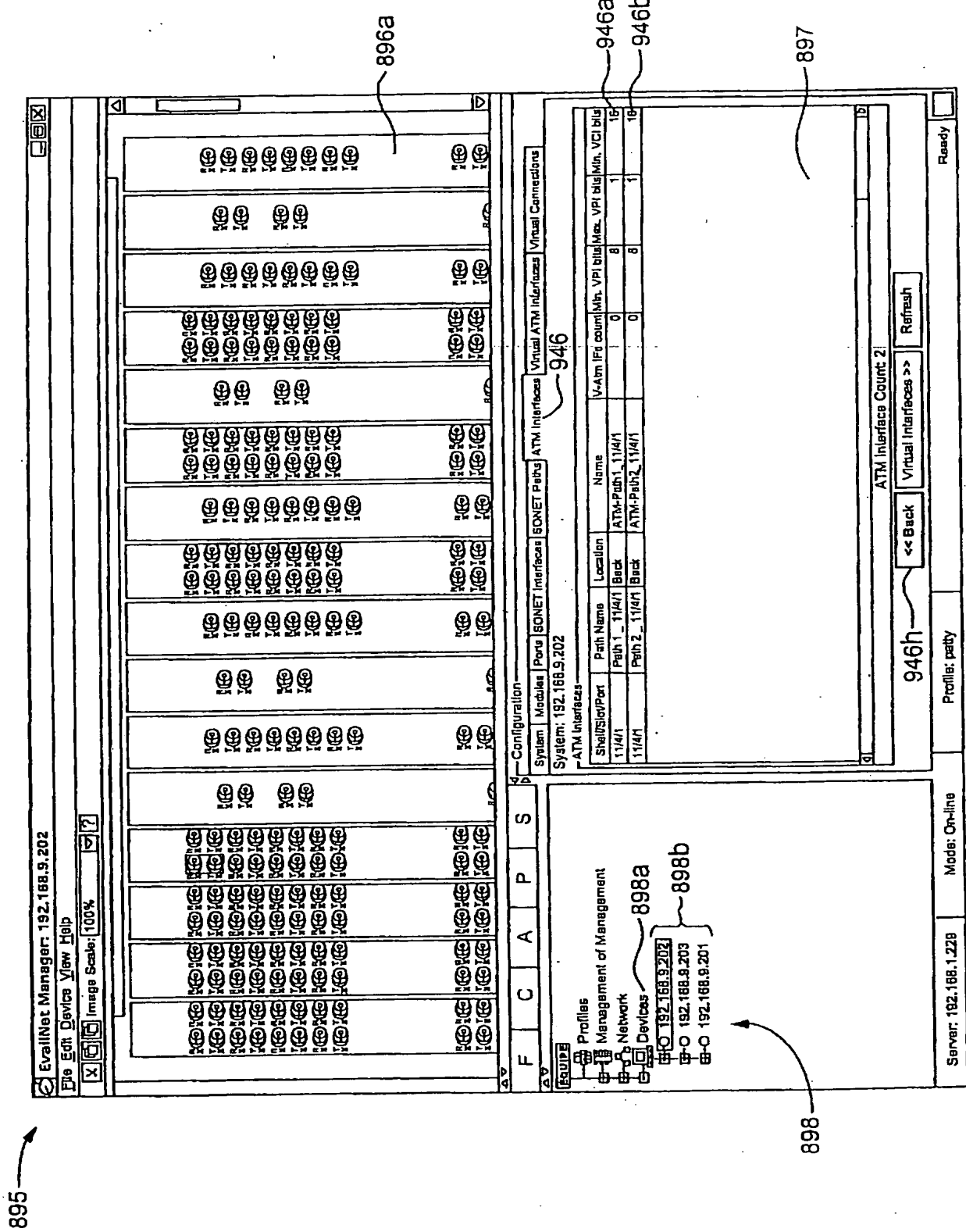


FIG. 51

EvalInet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5

Port 2

Type OC48

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)

☐ Configure

4

paths

☐ Custom Configuration

Ok

Cancel

FIG. 5K

EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5 Port 2 Type OC48

SONET Path Wizard

☒ Configure a single concatenated path (STS-48c)
 ☐ Configure
 ☐ Custom Configuration

4

paths

STS-12C

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/5/2	1	STS-48c	Termin.	ATM		

Modify

Graphical Representation

Position

Width

1

STS-48C

944r

OK

Cancel

FIG. 5L

EvailNet Manager: SONET Path Configuration - 11/5/2

X

SONET Line

System: 192.168.9.202

Slot 5 Port 2 Type OC48

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)
 ☒ **Configure**
☐ Custom Configuration

4

STS-12c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wl.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/...	1	STS-12c	Termin.	ATM		
11/5/2	Path2_11/...	13	STS-12c	Termin.	ATM		
11/5/2	Path3_11/...	25	STS-12c	Termin.	ATM		
11/5/2	Path4_11/...	37	STS-12c	Termin.	ATM		

Modify

OK

Cancel

Graphical Representation

Position

Width

1

13

25

37

STS-12c

STS-12c

STS-12c

STS-12c

FIG. 5M

EvaiiNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5

Port 2

Type OC48

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)

☒ **Configure**

☐ Custom Configuration

1

1

4

16

paths

STS-48c

944s

944t

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/...	1	STS-48c	Termin.	ATM		

944p

Modify

Graphical Representation

Position

Width

1

STS-48c

944e

944f

944r

OK

Cancel

944q

FIG. 5N

EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot

5

Port

2

Type

OC48

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)

☒

Configure

☐ Custom Configuration

16

STS-3C

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/5/2	1	STS-3c	Termin.	ATM	
11/5/2	Path2_11/5/2	4	STS-3c	Termin.	ATM	
11/5/2	Path3_11/5/2	7	STS-3c	Termin.	ATM	
11/5/2	Path4_11/5/2	10	STS-3c	Termin.	ATM	
11/5/2	Path5_11/5/2	13	STS-3c	Termin.	ATM	
11/5/2	Path6_11/5/2	16	STS-3c	Termin.	ATM	
11/5/2	Path7_11/5/2	19	STS-3c	Termin.	ATM	

Modify

OK

Cancel

Graphical Representation

Position	Width
1	STS-3C
4	STS-3C
7	STS-3C
10	STS-3C
13	STS-3C
16	STS-3C
19	STS-3C
22	STS-3C
25	STS-3C
28	STS-3C
31	STS-3C
34	STS-3C
37	STS-3C
40	STS-3C
43	STS-3C
45	STS-3C

FIG. 50

944

944a

944b

944c

944d

944h

944g

944f

944e

944r

944q

944p

944n

944j

944i

944k

944o

944m

944l

944d

944c

944b

944a

944

FIG 5B

FIG. 5B

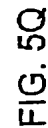


FIG. 5Q

FIG. 5R

FIG. 55

950

Add V-ATM Interface - 192.168.9.202 [X]

Shelf/Slot/Port: 11/4/1 Path Name: Path2_11/4/1

☐ Virtual ATM Interface Parameters

950d	Name	test1
950a	Connection Type	Direct Link
950b	Version	UNI Network 3.1
950c	Admin Status	Up

950e

OK Cancel

FIG. 5T

895

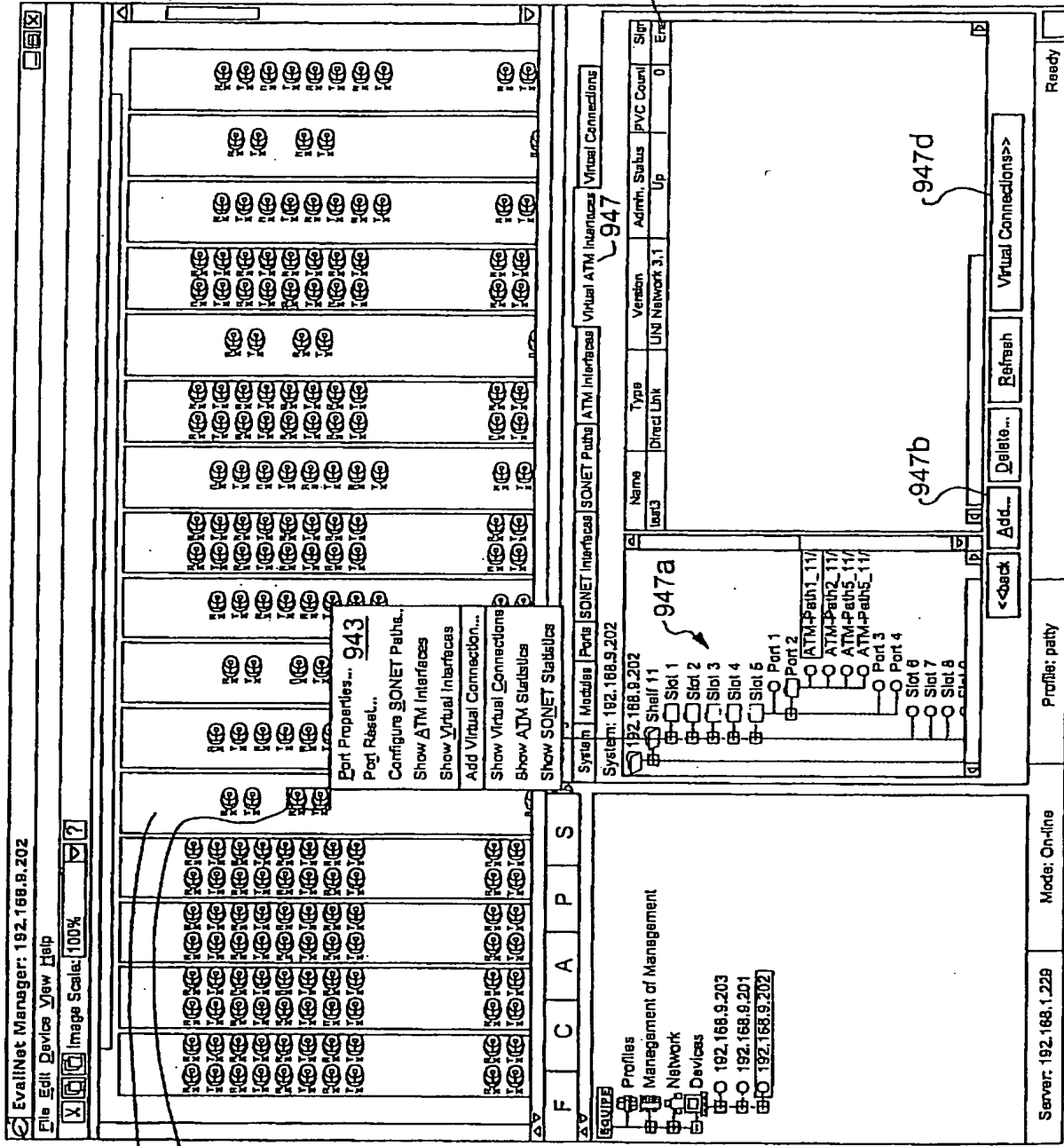


FIG. 5V

952

EvailNet Manager: 192.168.9.202 - Virtual Connection Wizard

Connection Topology—

What type of connection do you want?

☒ Point to Point ☐ Point to Multipoint

952a

Connection Type—

Do you want to create a Virtual Path or a Virtual Channel?

☒ Virtual Path Connection (VPC) ☐ Virtual Channel Connection (VCC)

952b

☐ Soft (SPVPC/SPVCC)

providing
the optical
on-ramp™

Welcome to
ÉQUIPE Communications

Next>> Cancel

FIG. 5W

953

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard
✕

Source: 192.168.9.202
Destination: 192.168.9.202

953a End Point 1

- Slot 4
 - Port 1
 - ATM-Path1_11/4/1
 - test1
 - test2
 - Port 2
 - Port 3
 - Port 4

953b

End Point 1

- Slot 3
 - Port 1
 - test3
 - Port 2
 - ATM-Path1_11/5/2
 - ATM-Path2_11/5/2
 - ATM-Path5_11/5/2

953c

953e Connection Parameters

Connection Name:

Admin Status: 953h

Customer Name:

953f End Point 1 Parameters:

VPI: ☒ Use Any VPI Value 953k

VCI: ☐ Use Any VCI Value 953o

Transmit Traffic Descriptor:

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive

953g End Point 2 Parameters:

VPI: ☒ Use Any VPI Value 953l

VCI: ☐ Use Any VCI Value 953p

Transmit Traffic Descriptor:

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive 953t

FIG. 5X

956

**NEW TRAFFIC
DESCRIPTOR**

NAME:

QoS CLASS: ▼

TYPE: ▼

FIG. 5Y

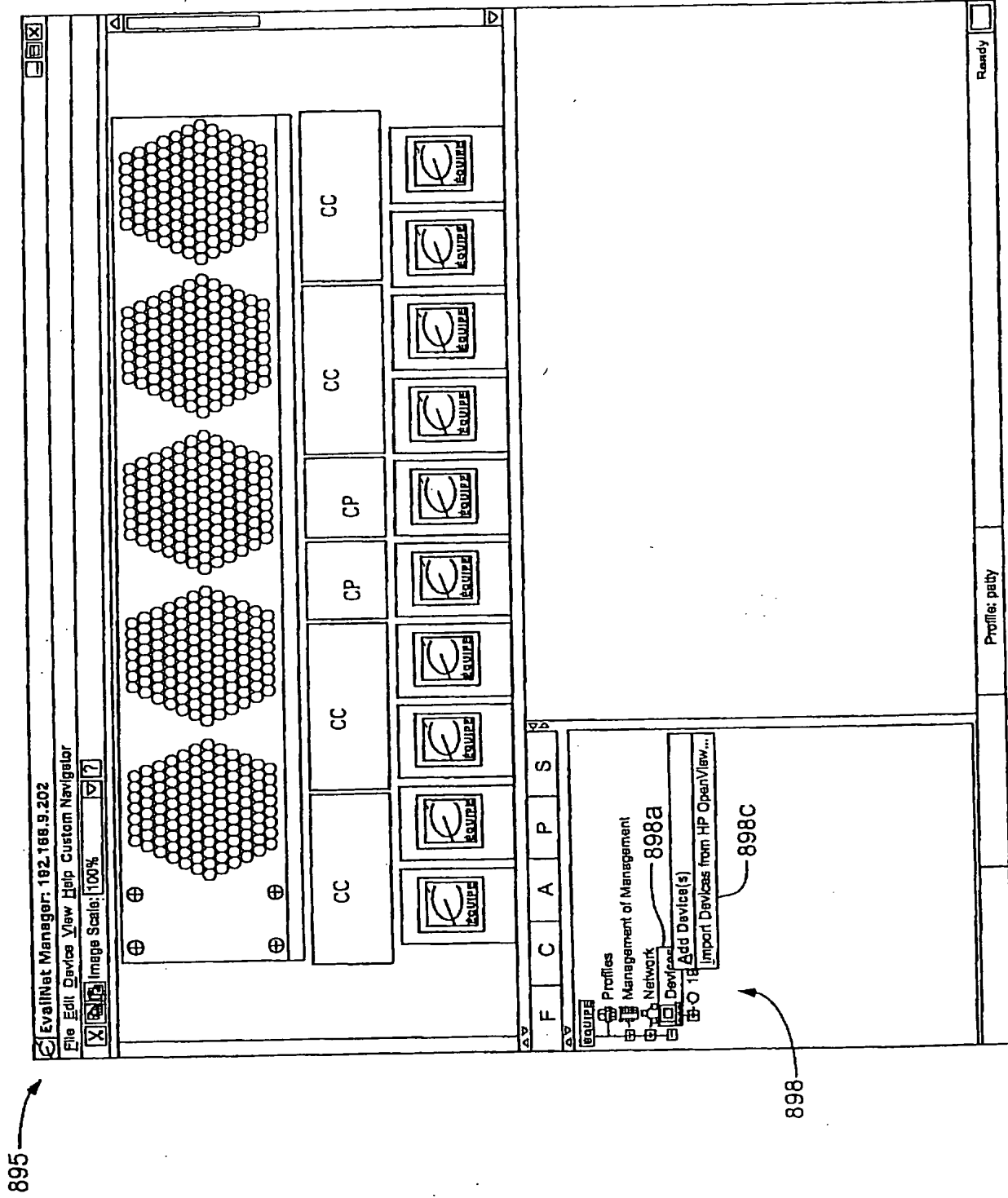


FIG. 6A

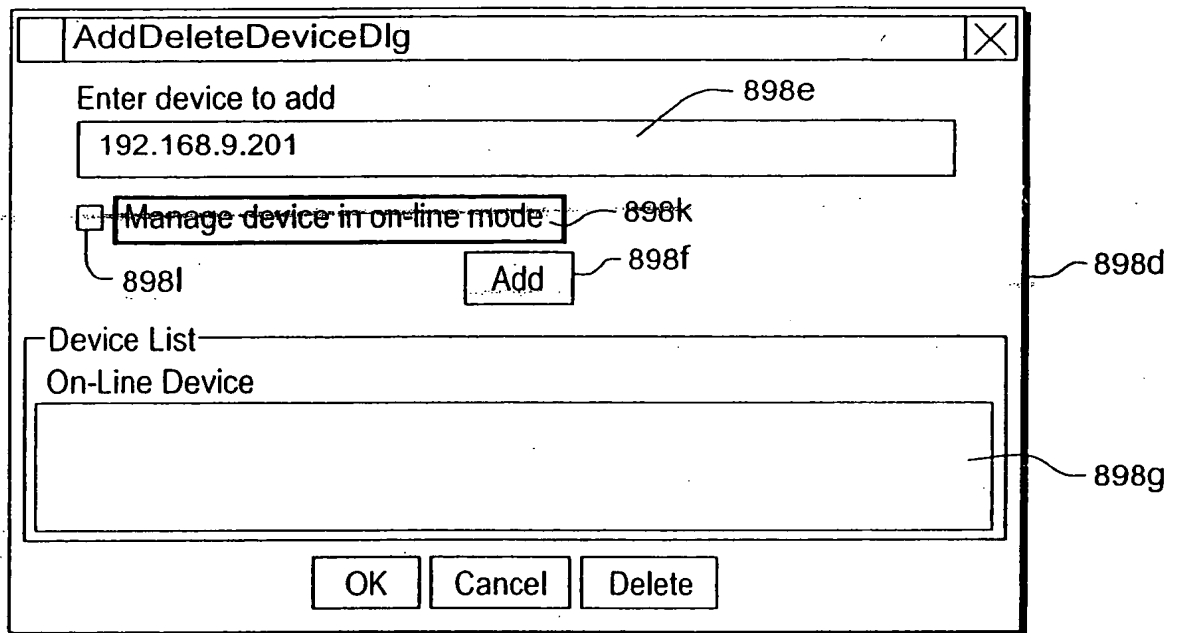


FIG. 6B

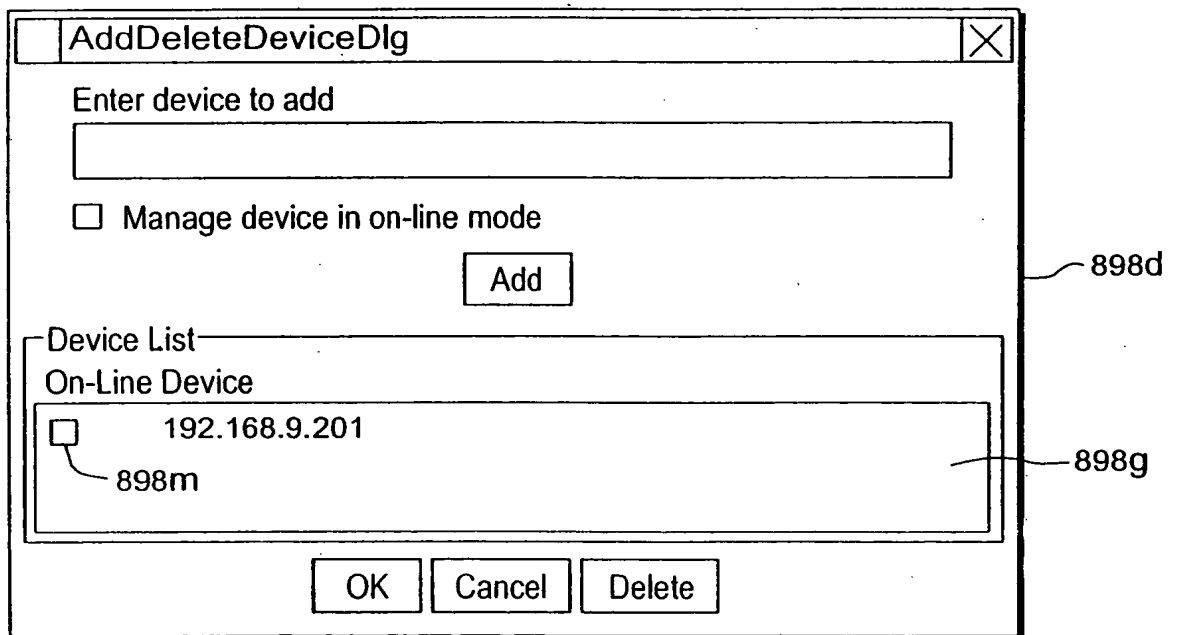


FIG. 6C

895

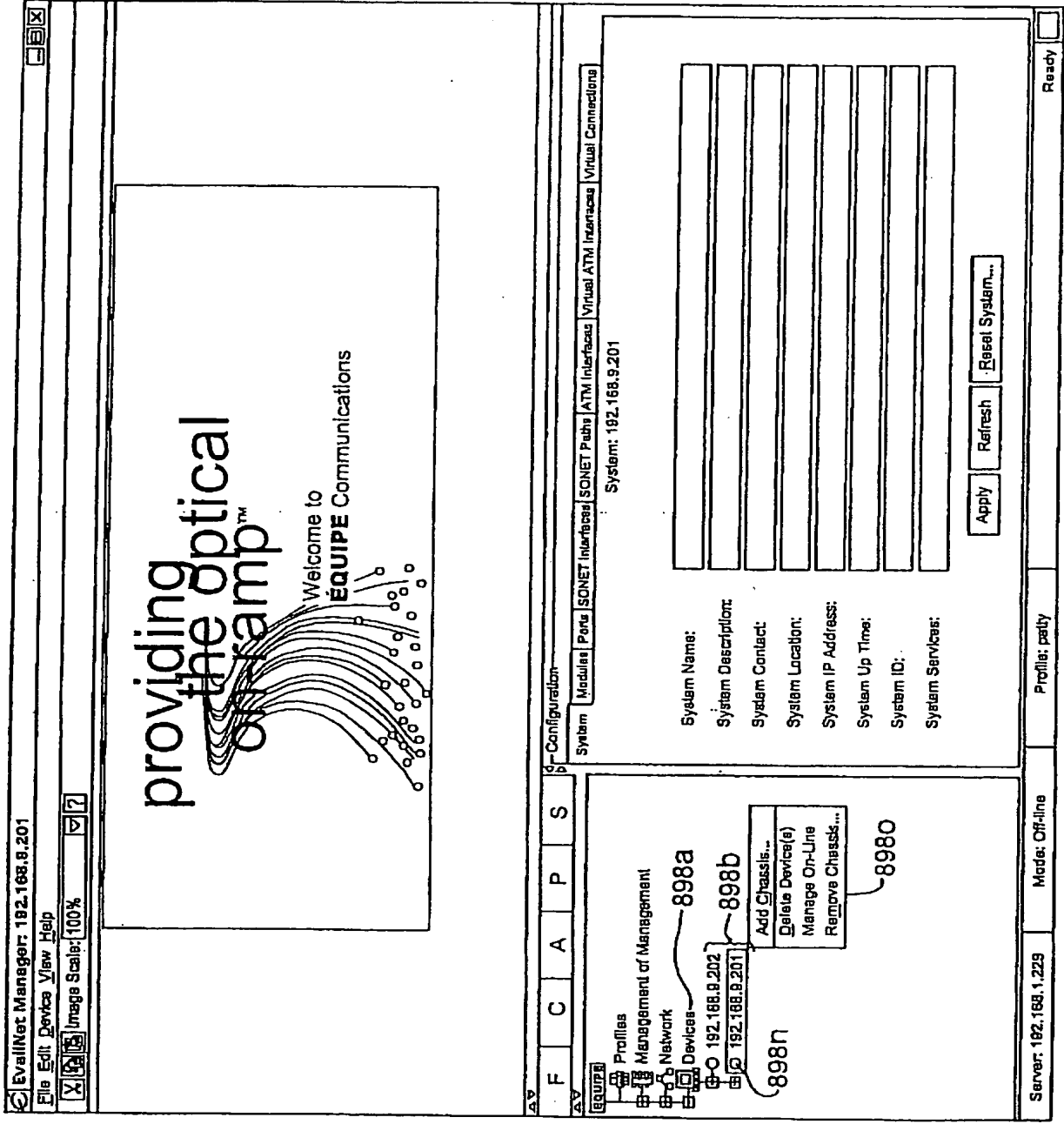


FIG. 6D

895

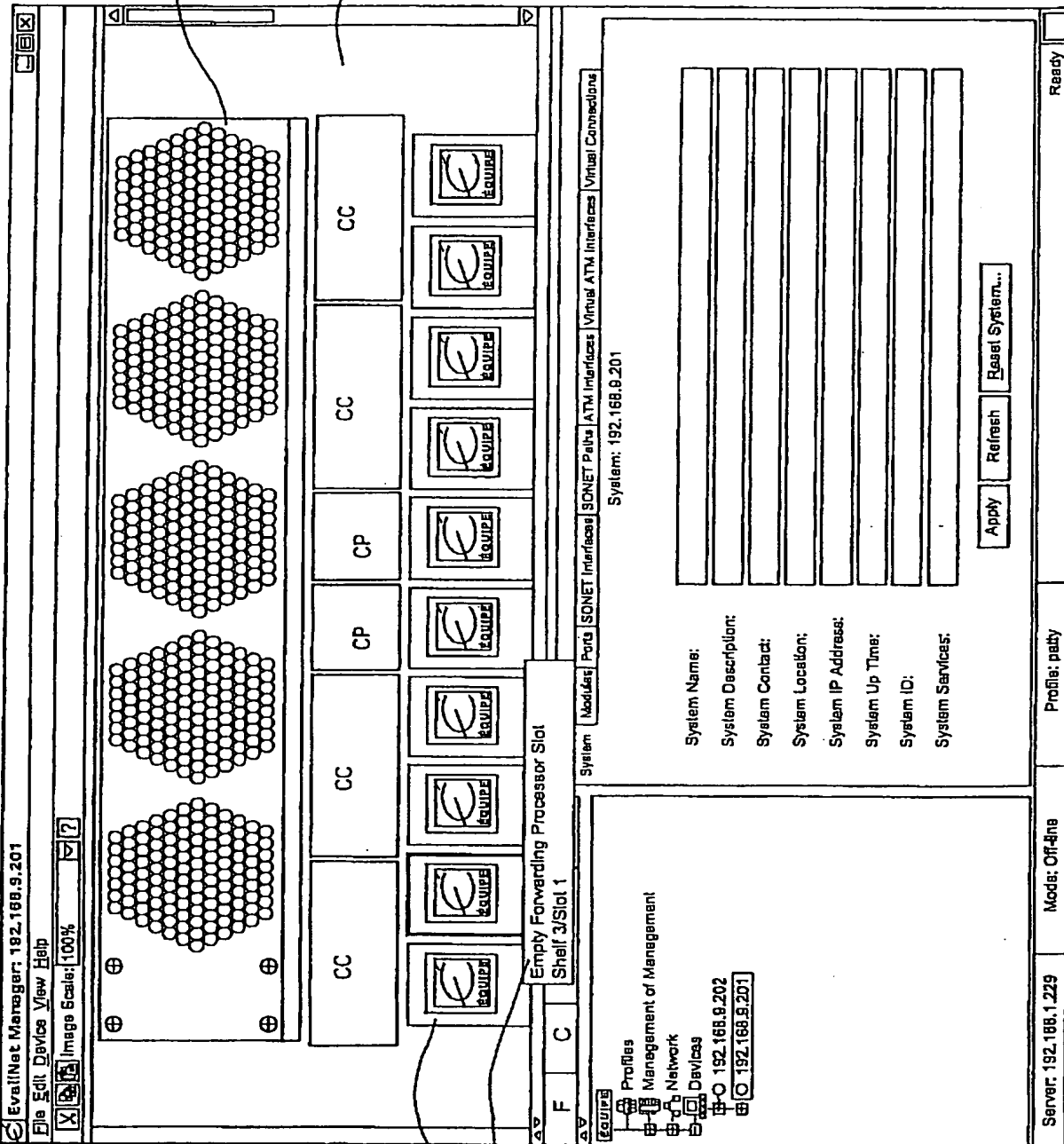


FIG. 6E

895

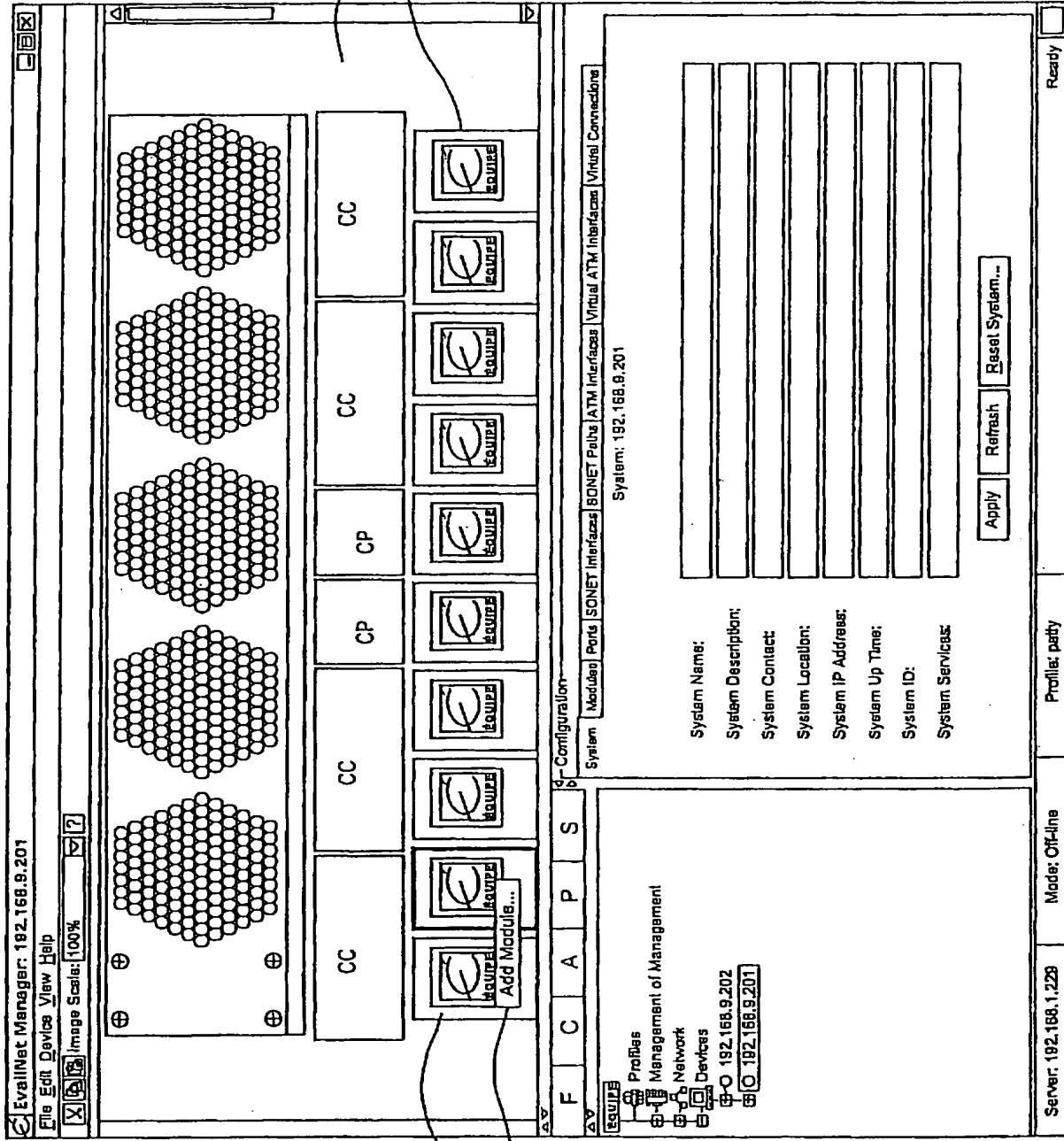


FIG. 6F

895

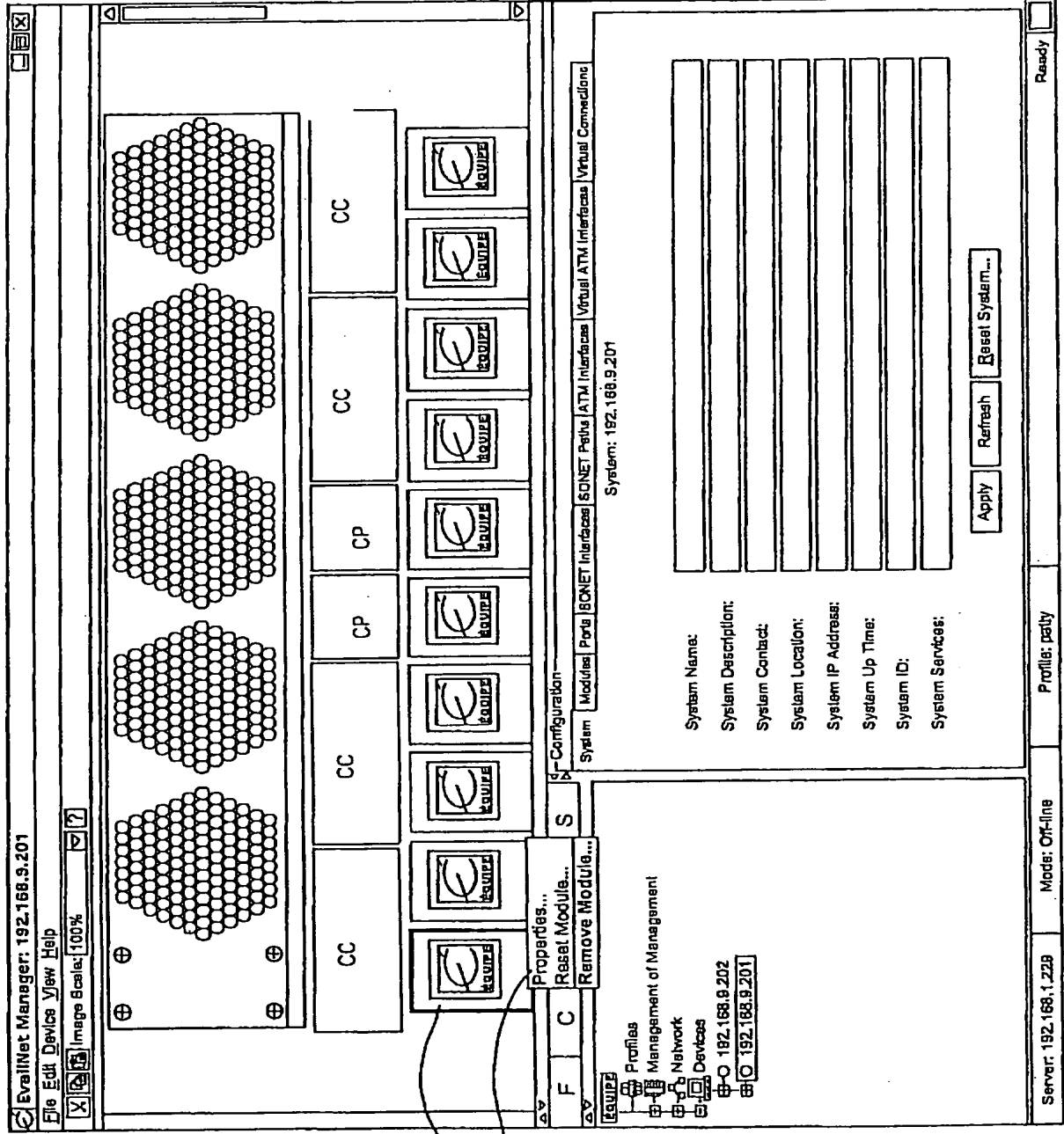
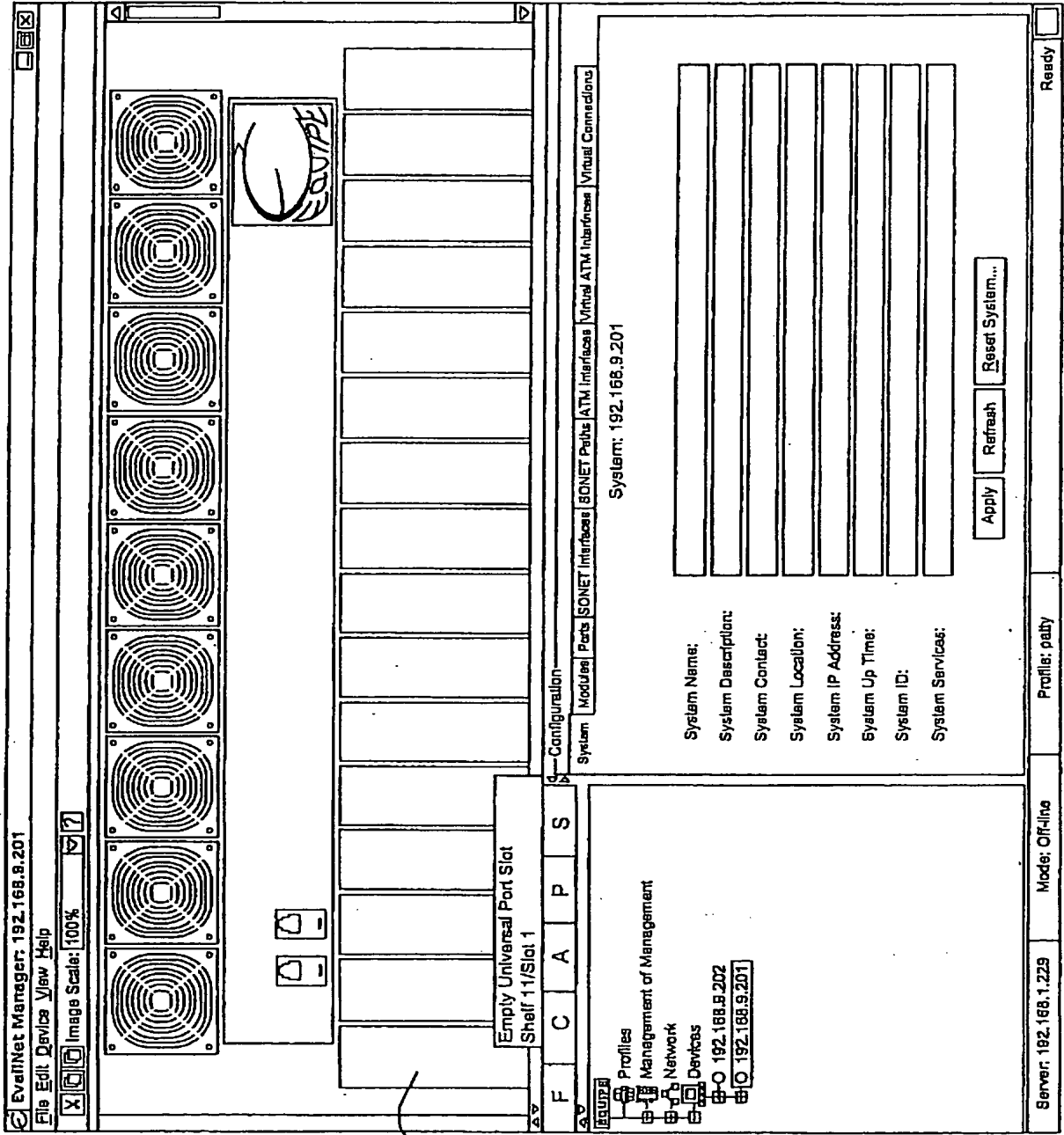


FIG. 6G

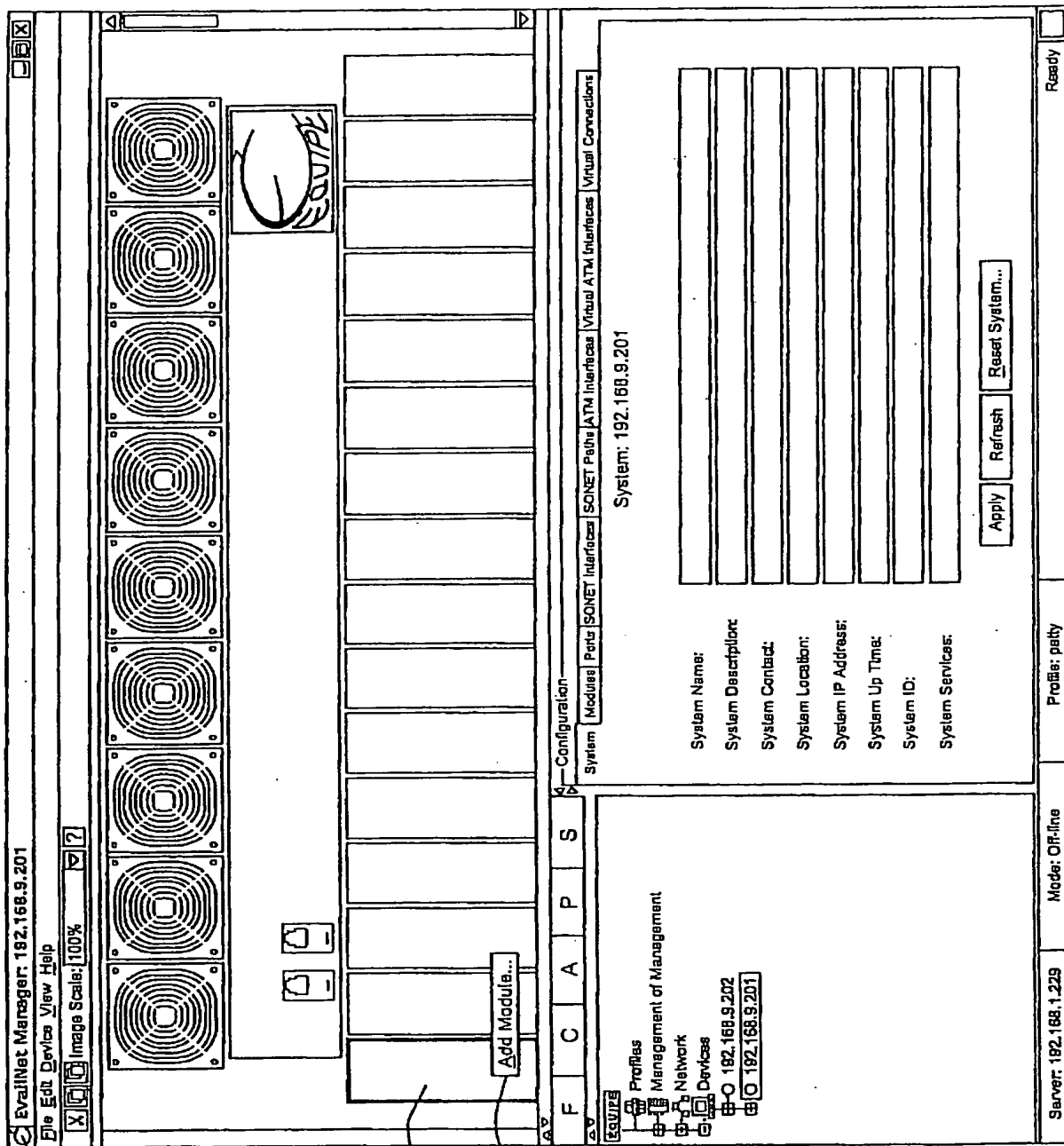
895



896f

FIG. 6H

895



896f

896g

FIG. 6I

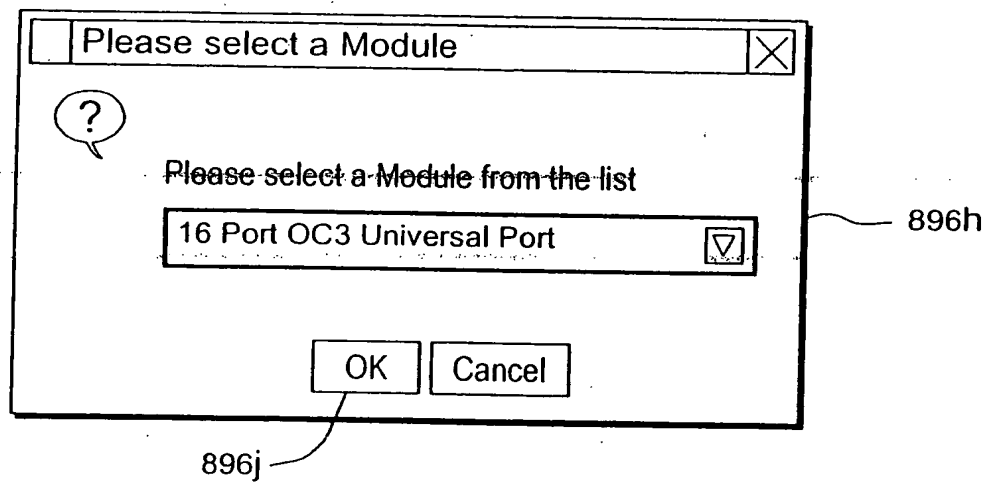


FIG. 6J

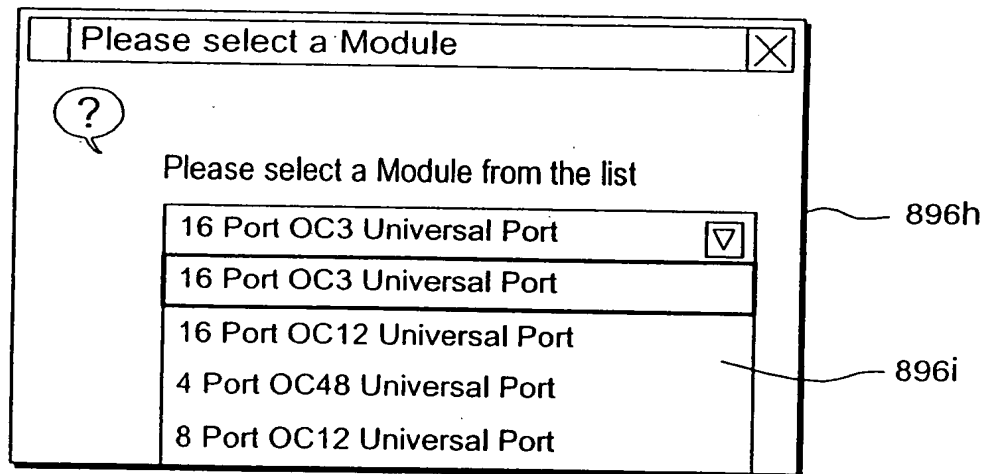


FIG. 6K

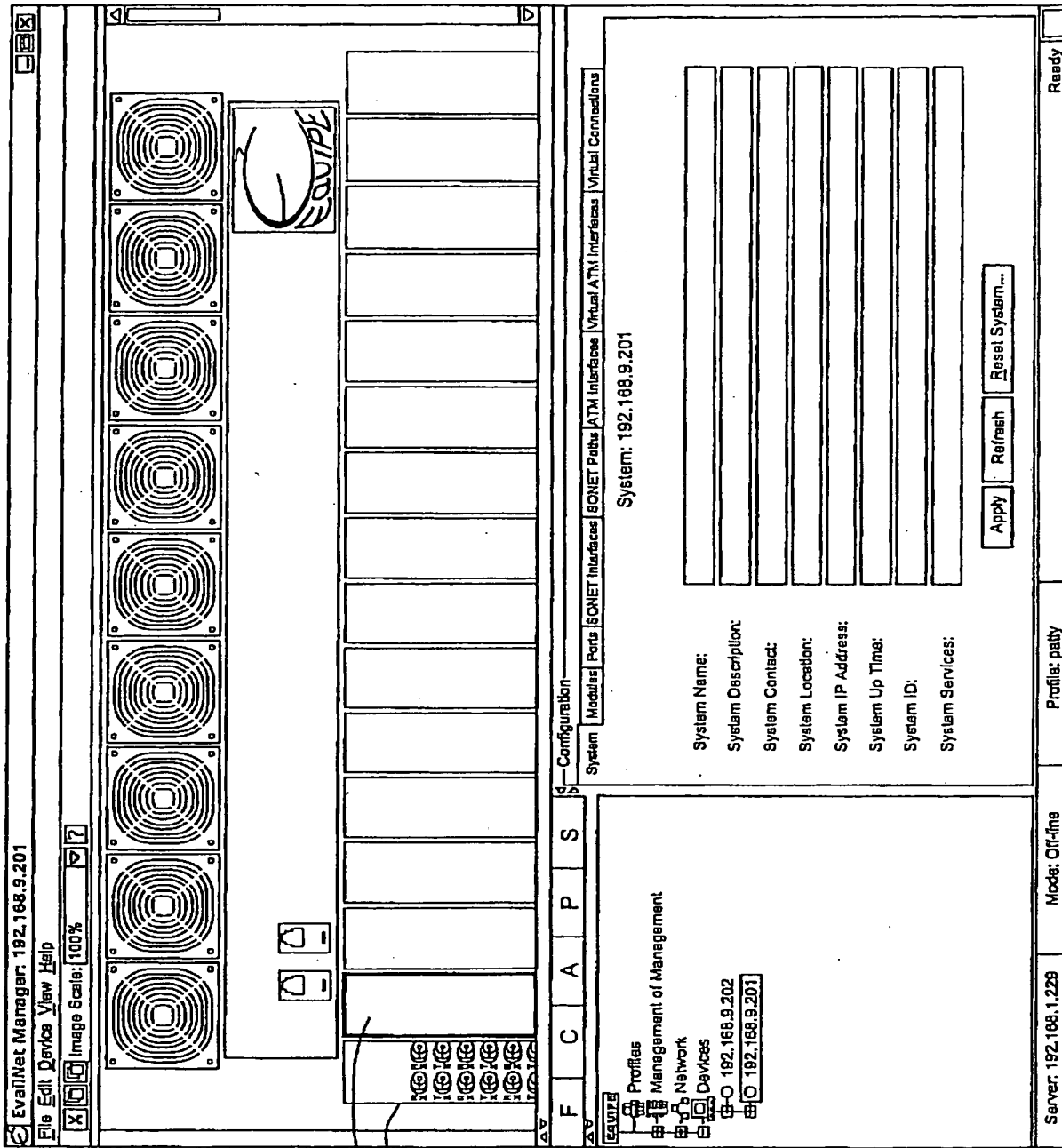


FIG. 6L

895

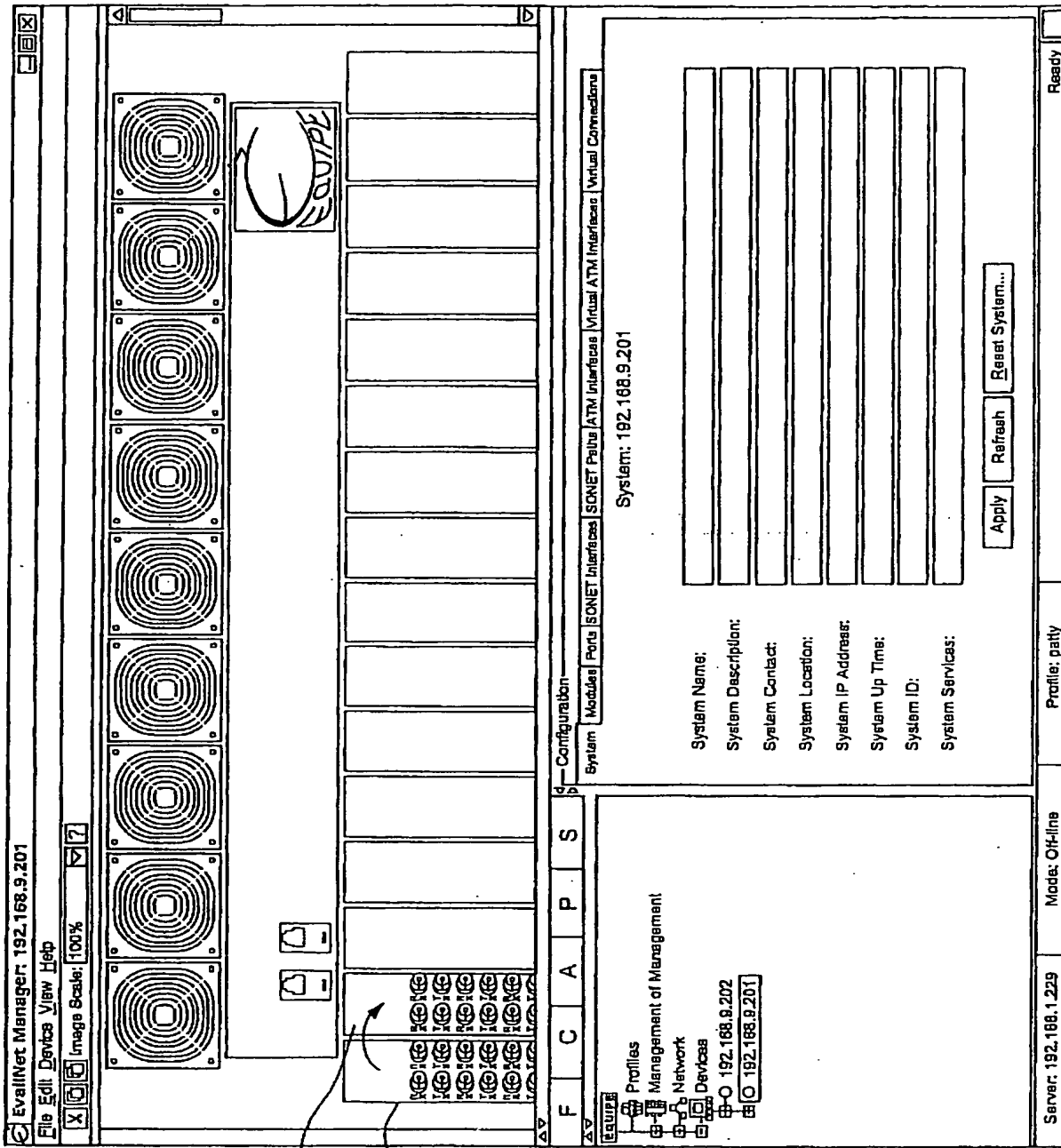


FIG. 6M

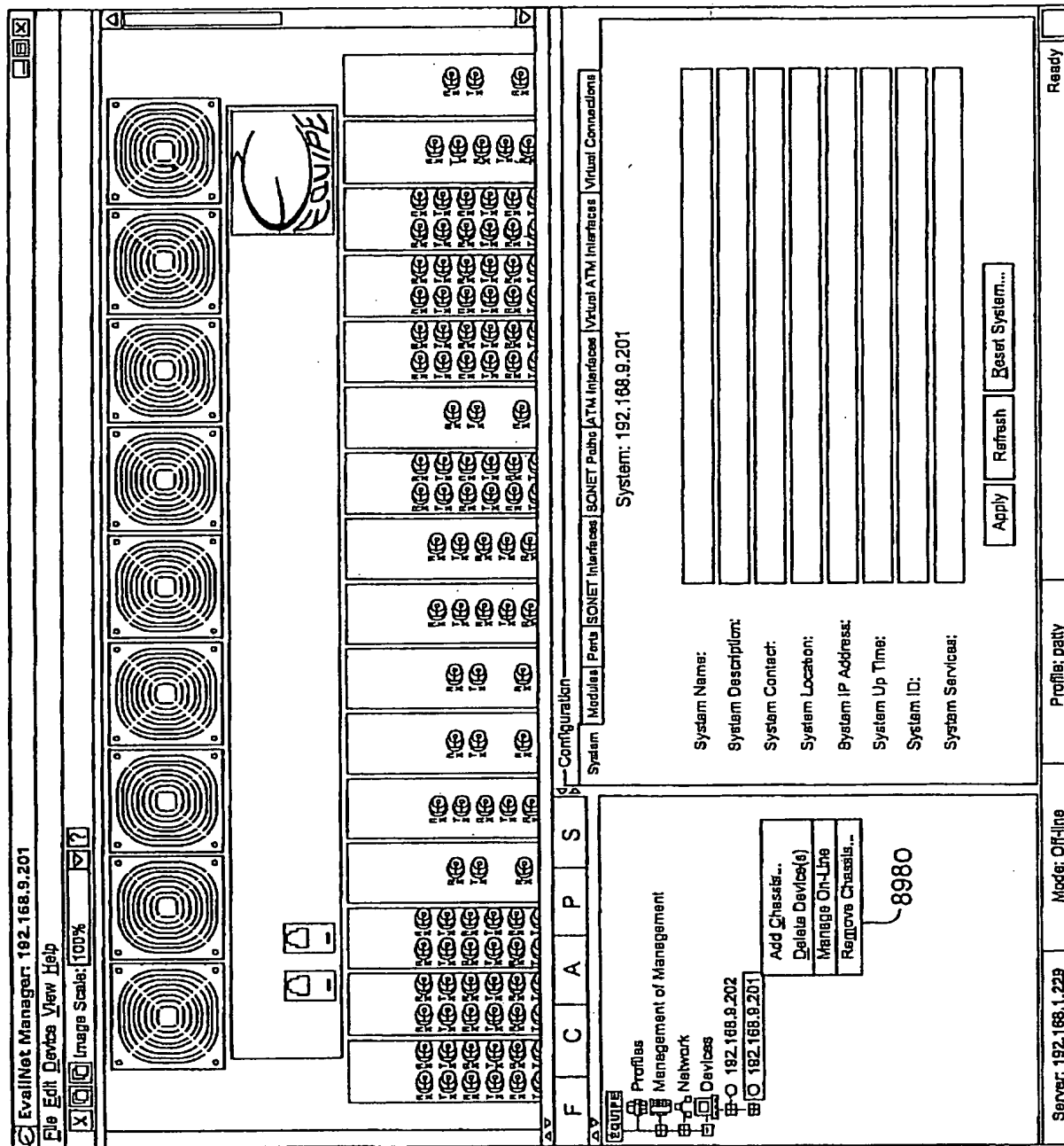


FIG. 6N

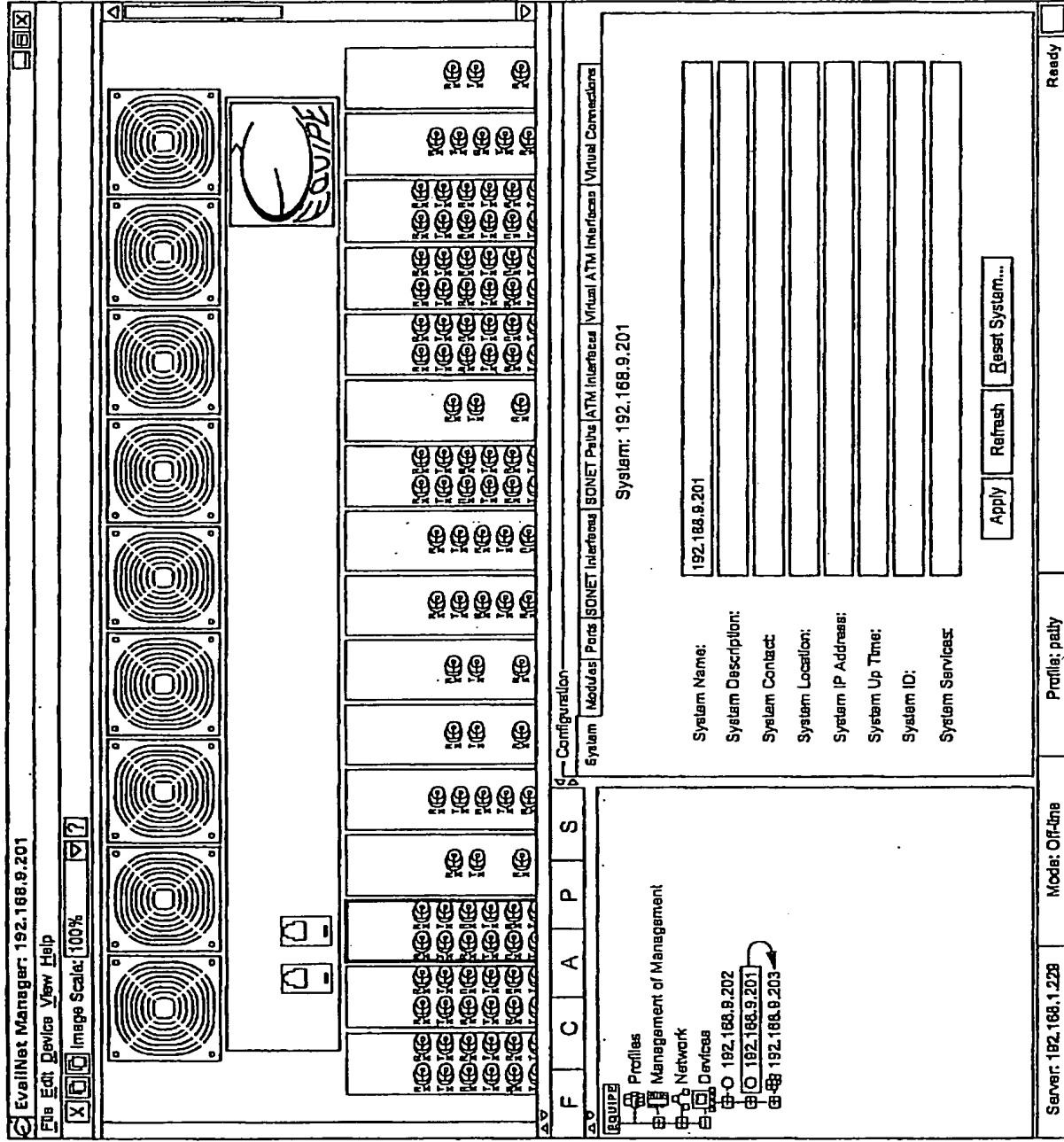


FIG. 60

895

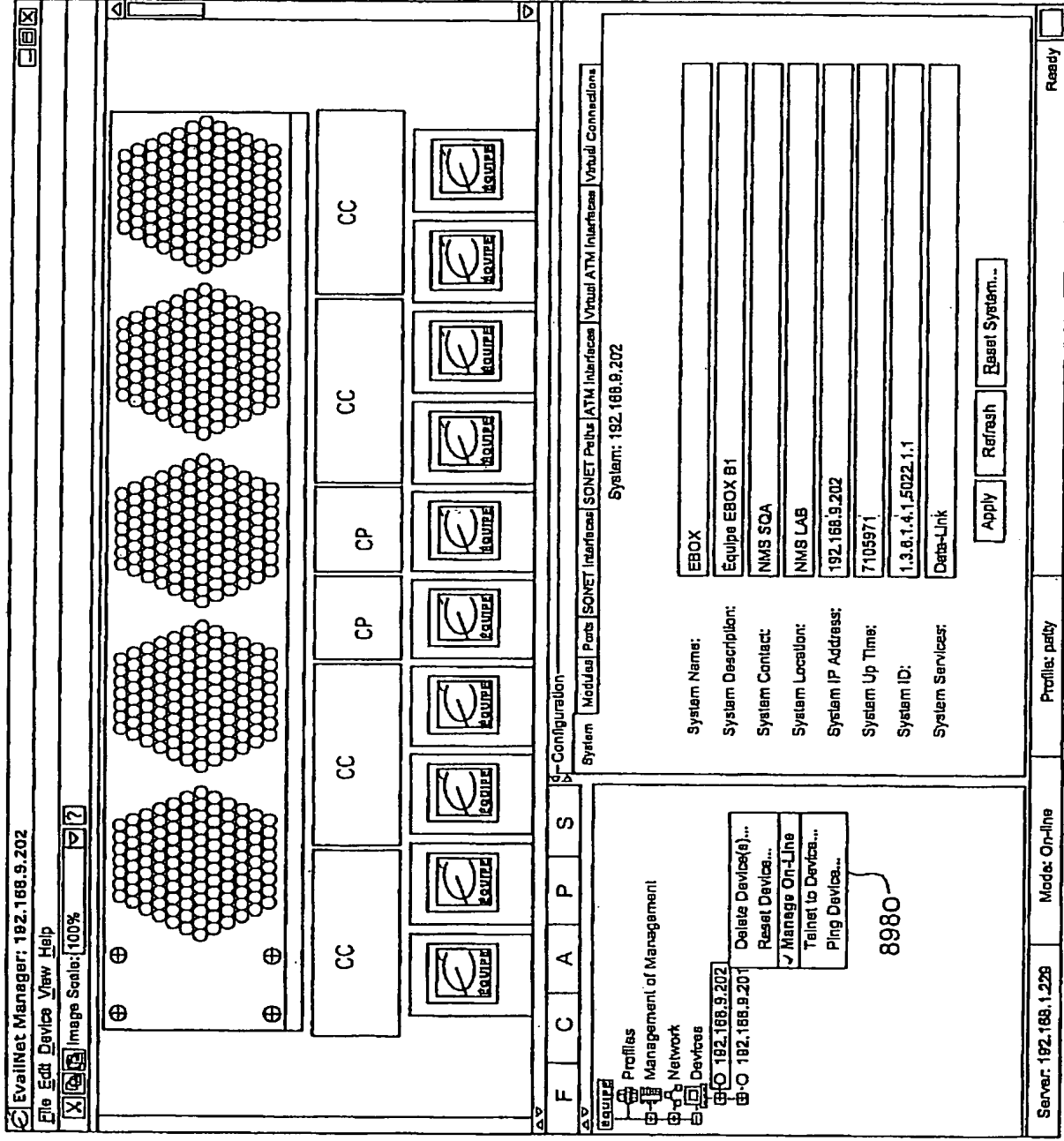


FIG. 6P

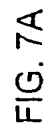


FIG. 7A

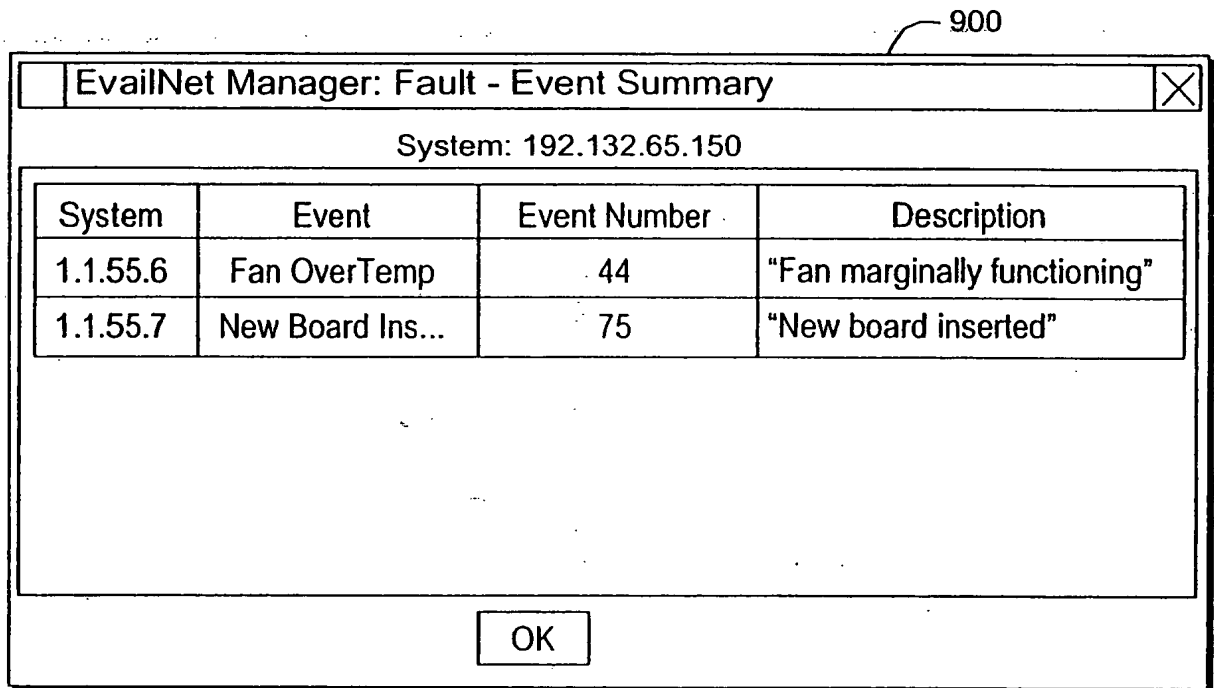


FIG. 7B

EvalNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 50%

Security

SHMP Configuration Changes

System: 192.168.9.202

SHMP Community Strings

READ Community:

public

READWRITE Community:

public

Command Line Interpreter (CLI)

Administrator Password:

root

Apply

899a	899b	899c	899d	899e
F	C	A	P	S

Book Marks

Configure PVC

Equipment

Profiles

Management of Management

Server: 192.168.9.202 Mode: On-line Profile: Ready

FIG. 7C

The screenshot displays the EvalNet Manager interface for the system 192.168.9.201. The interface is divided into several sections:

- Top Bar:** Contains the title "EvalNet Manager: 192.168.9.201" and menu options: "File", "Edit", "Device", "View", "Help".
- Left Panel:** A vertical toolbar with icons for various functions, including a magnifying glass and a question mark.
- Central Area:** A network topology diagram showing a central switch connected to multiple servers. The servers are labeled with IP addresses and names, such as "192.168.9.201" and "192.168.9.202".
- Right Panel:** A configuration table with columns for "System", "Modules", "Ports", "SONET", "Interfaces", "SONET", "Paths", "ATM", "Interfaces", "Virtual", "ATM", "Interfaces", "Virtual", "Connections". The table lists various system parameters and their values.
- Bottom Panel:** A section for "System Information" containing fields for "System Name", "System Description", "System Contact", "System Location", "System IP Address", "System Up Time", "System ID", and "System Services".

FIG. 7D

895

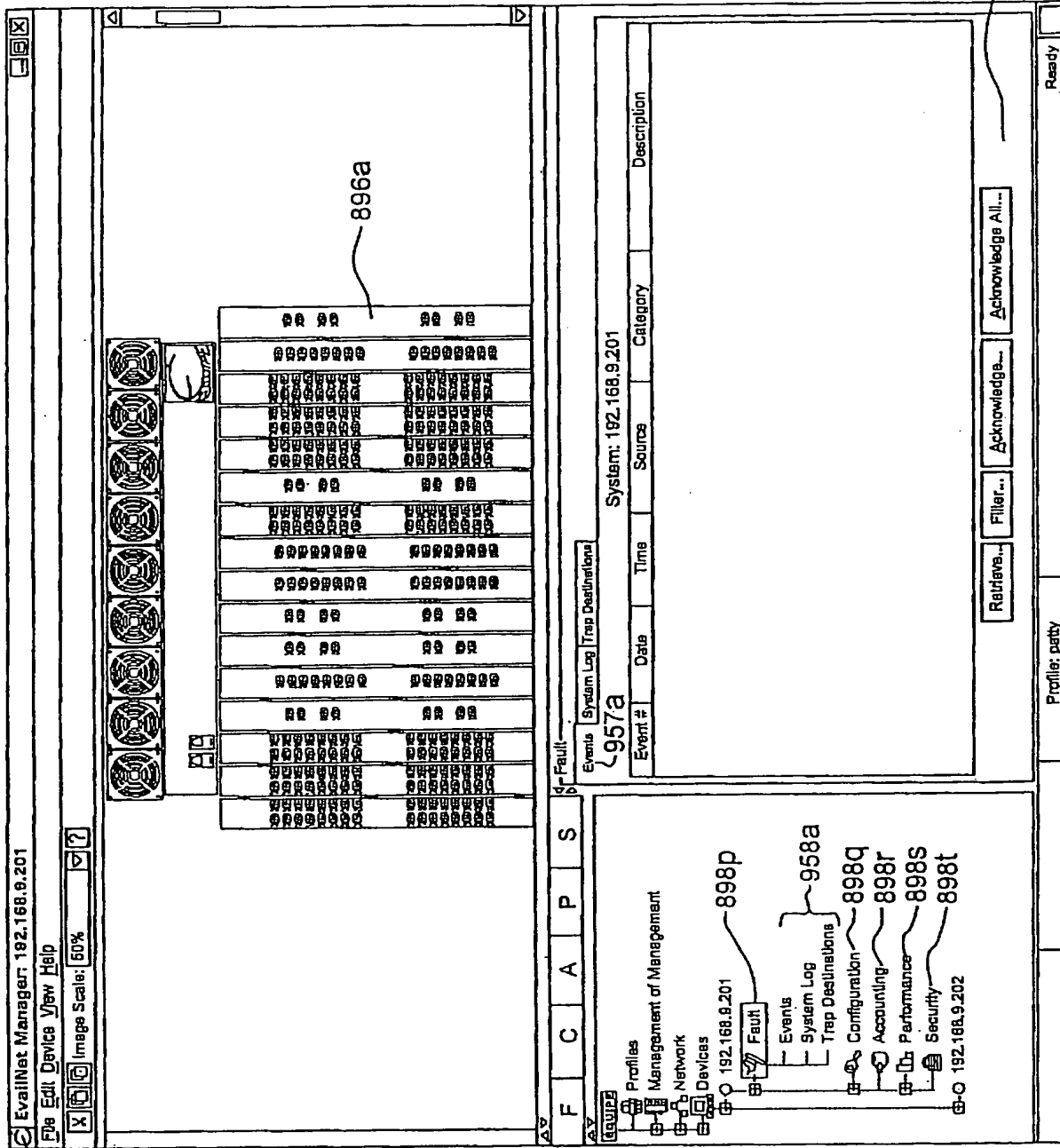
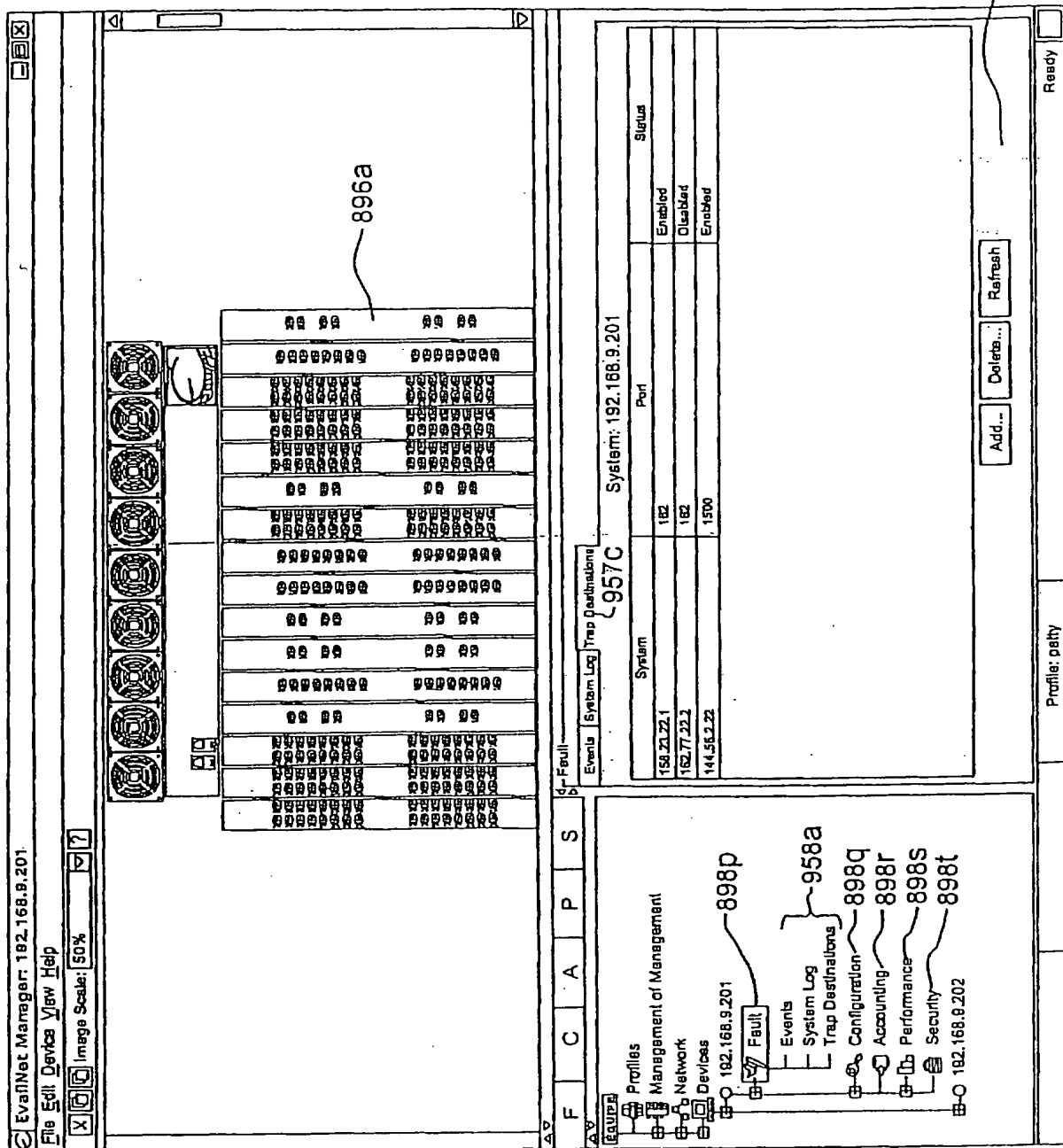


FIG. 7E



Ready



The screenshot displays the EvalNet Manager software interface. The top menu bar includes 'File', 'Edit', 'Devices', 'View', and 'Help'. The main window is divided into several panes. On the left, a 'Device Tree' shows a hierarchy of devices, with 'EquipE' selected. The central pane displays a detailed view of the selected device, showing various modules and their configurations. On the right, a 'System Configuration' pane shows a list of system parameters, including 'System Name', 'System Description', 'System Contact', 'System Location', 'System IP Address', 'System Up Time', 'System ID', and 'System Services'. The bottom status bar shows 'Ready'.

FIG. 7H



FIG. 71

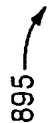


FIG. 7J

FIG. 7K

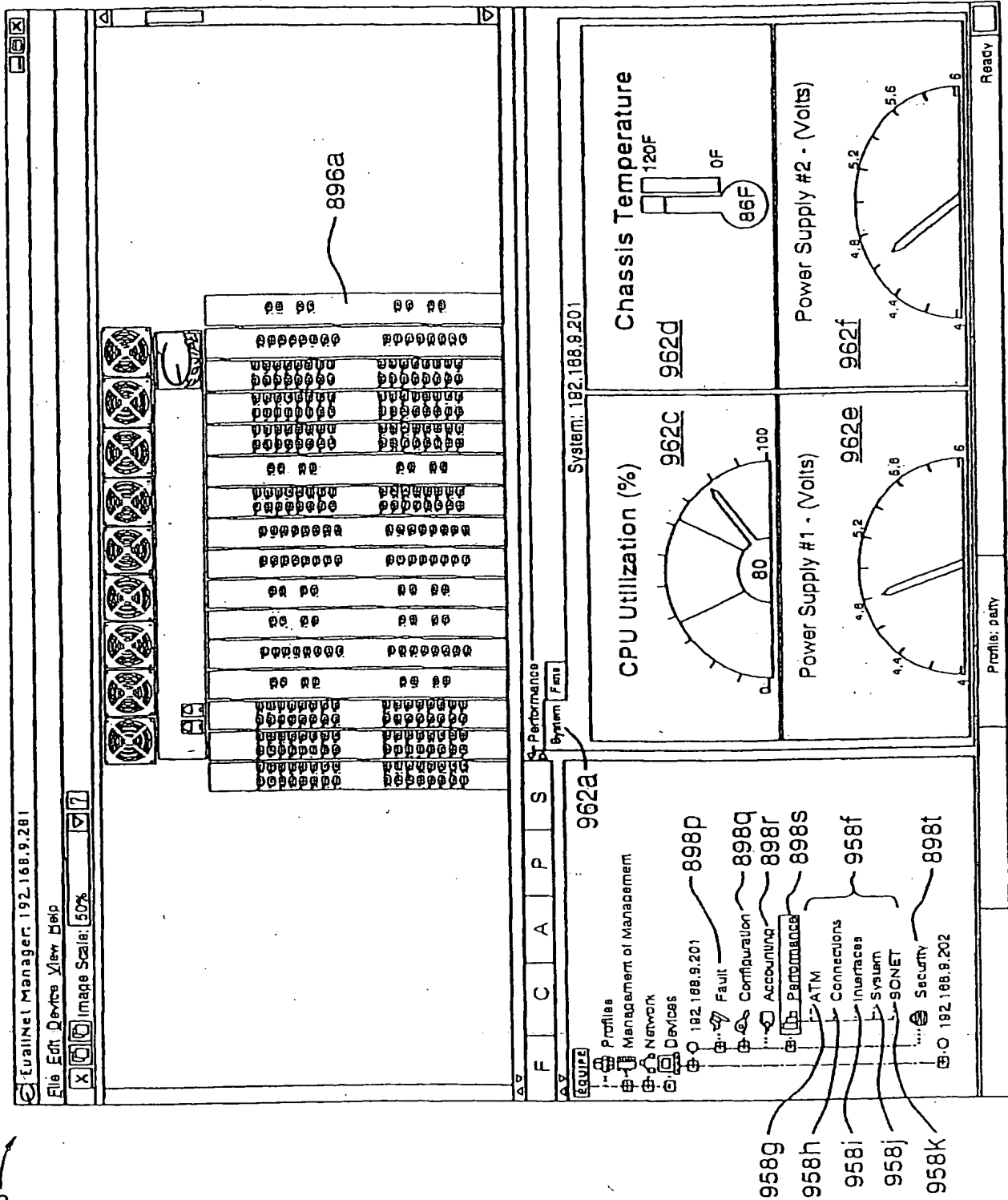


FIG. 7M

895

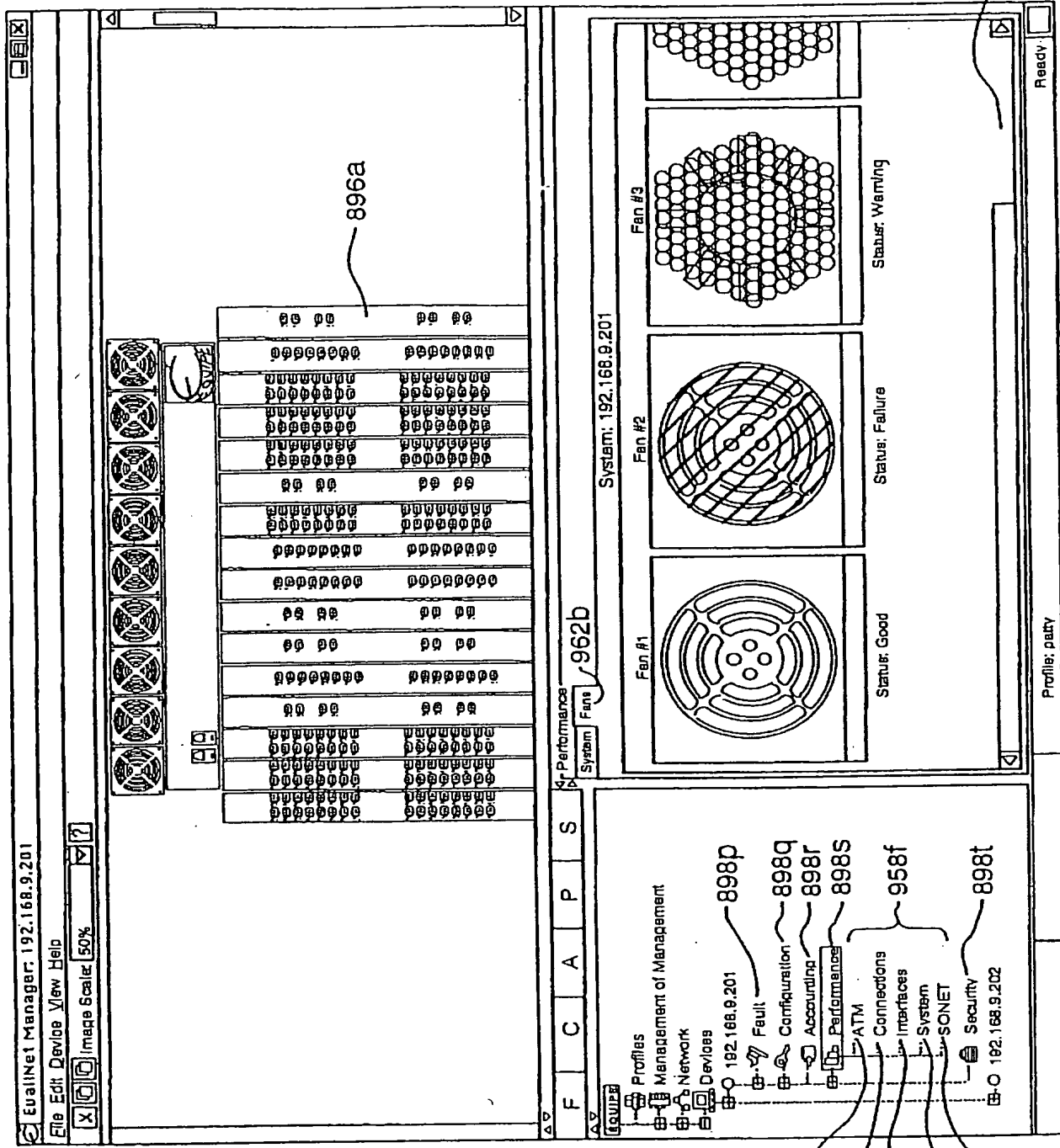


FIG. 7N

895

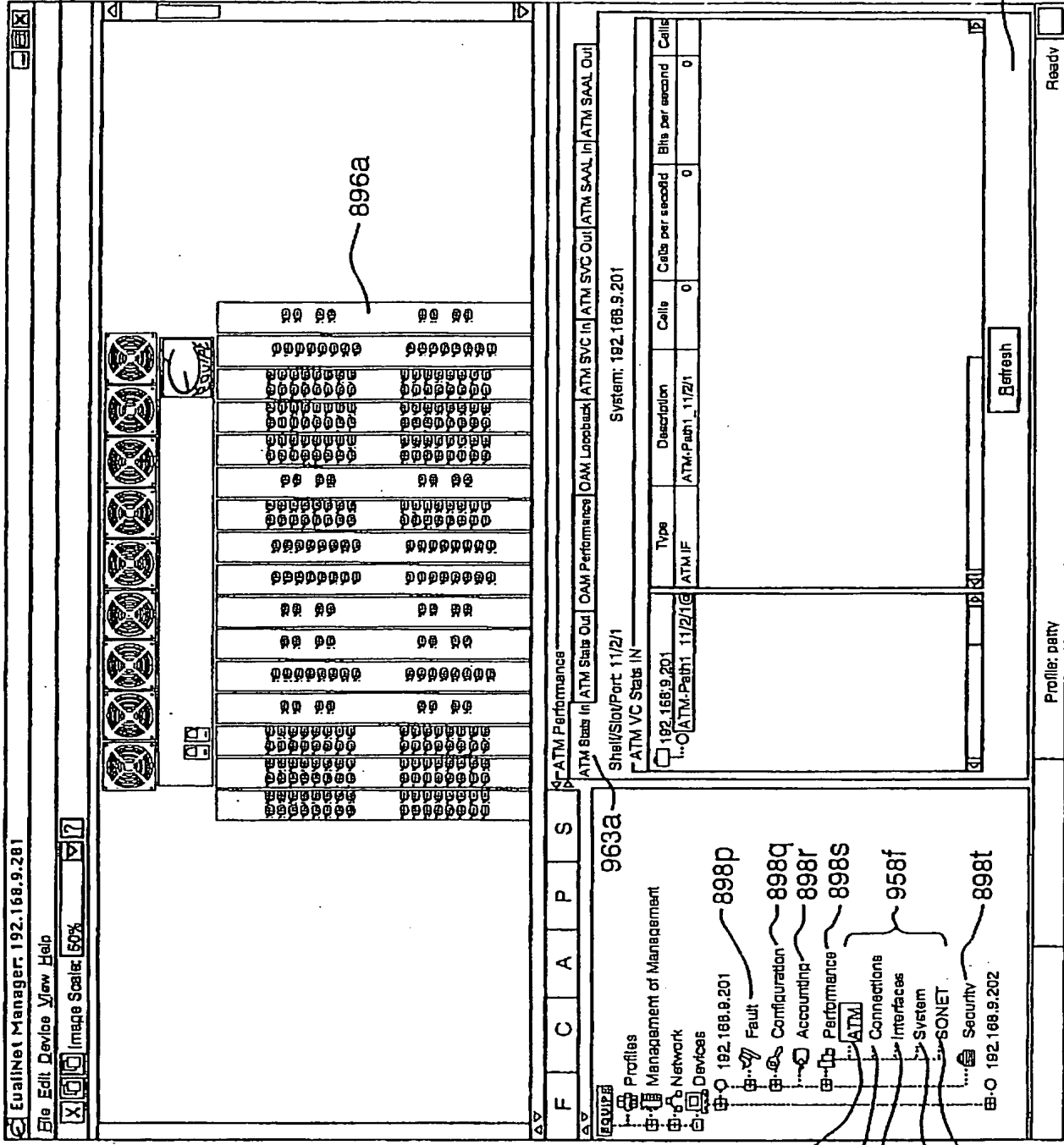


FIG. 70

895

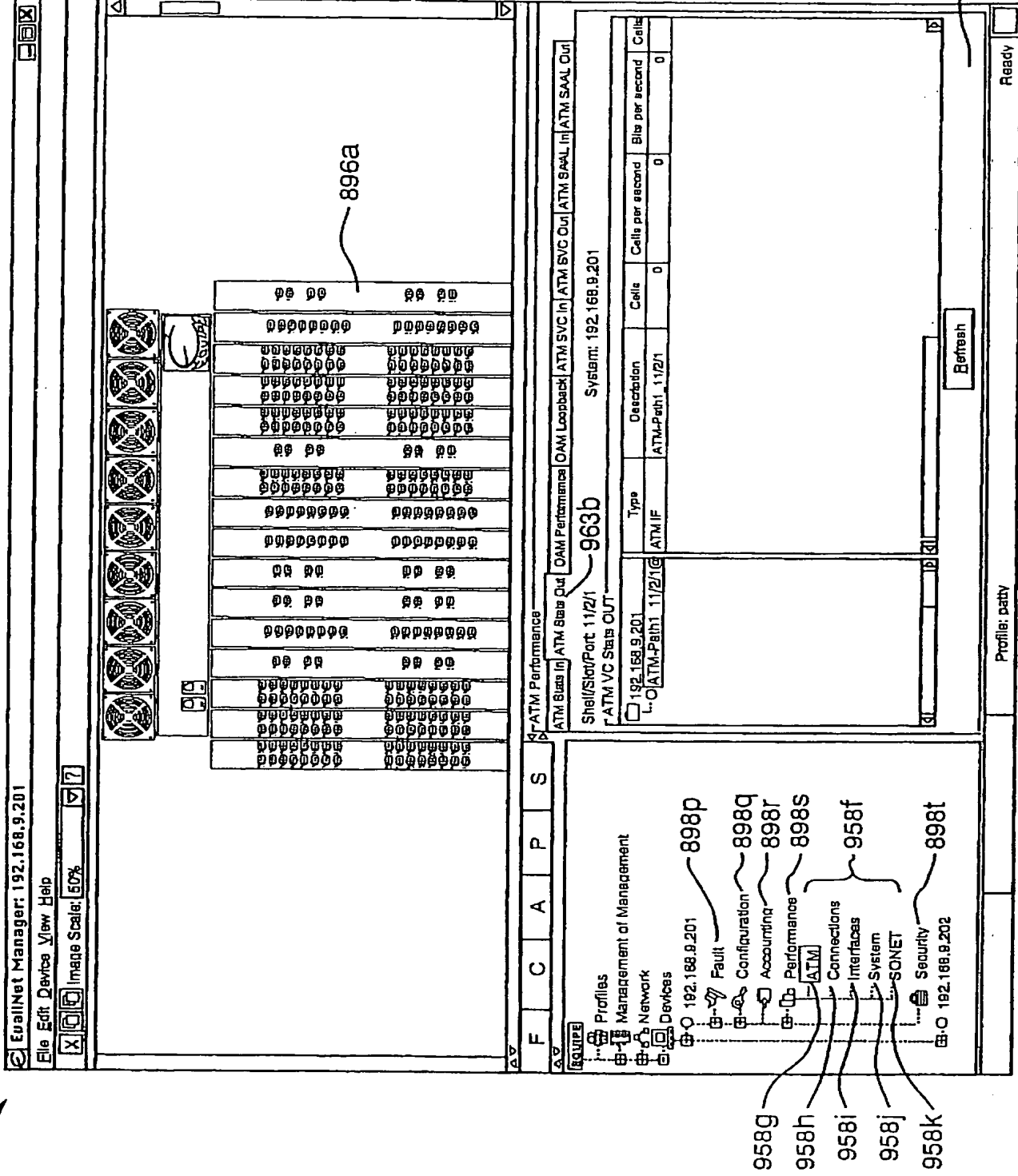


FIG. 7P

895

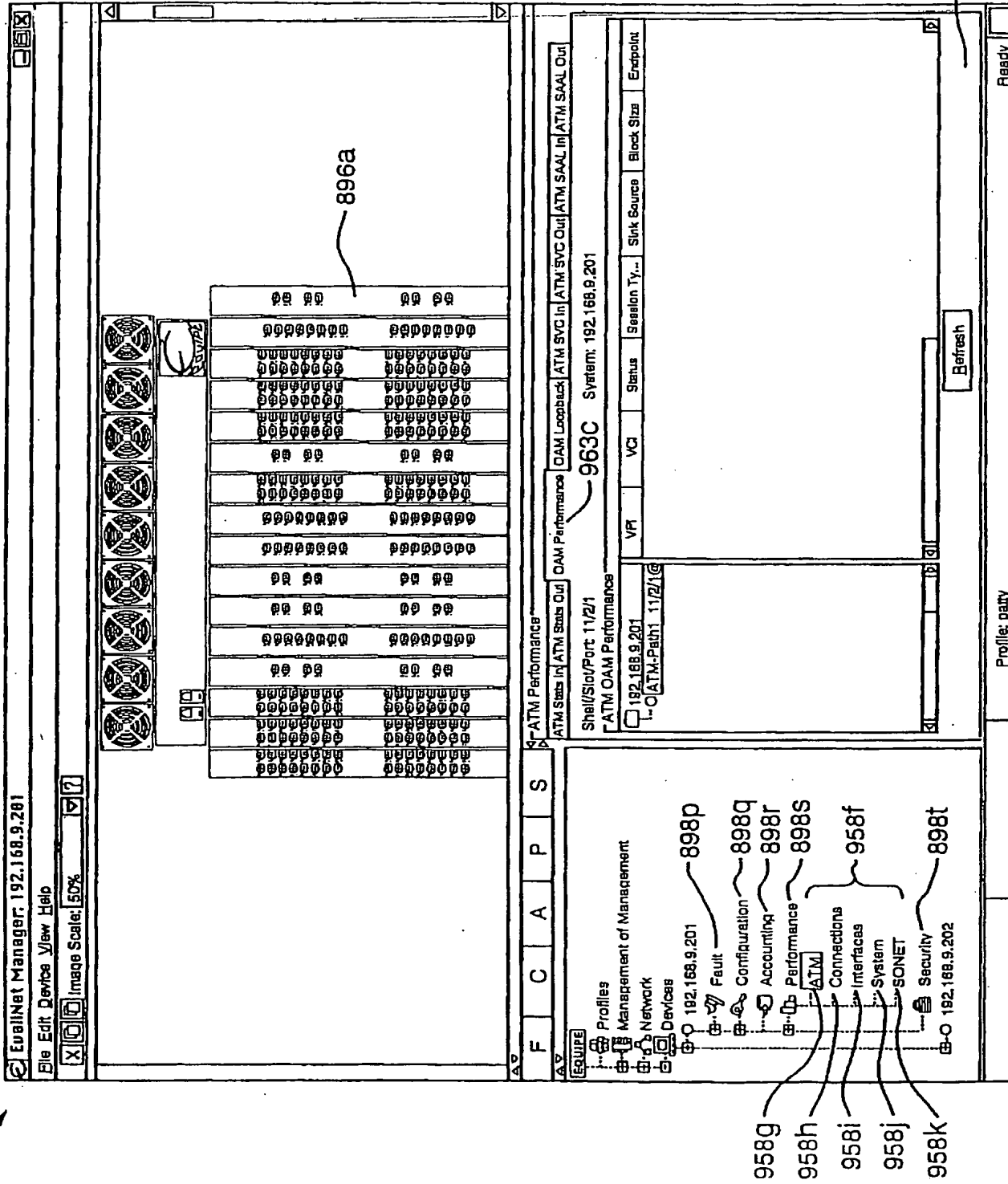


FIG. 7Q

895

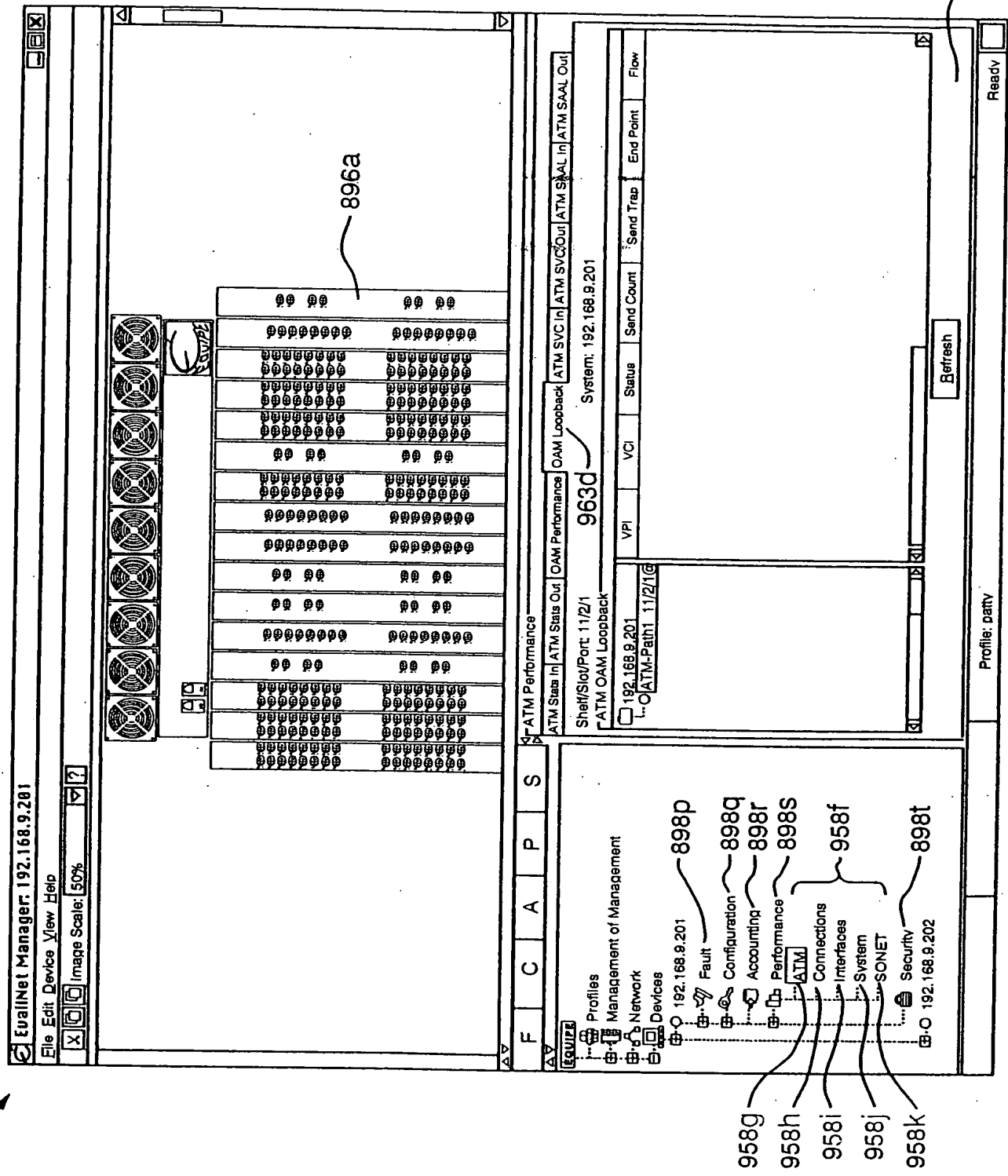
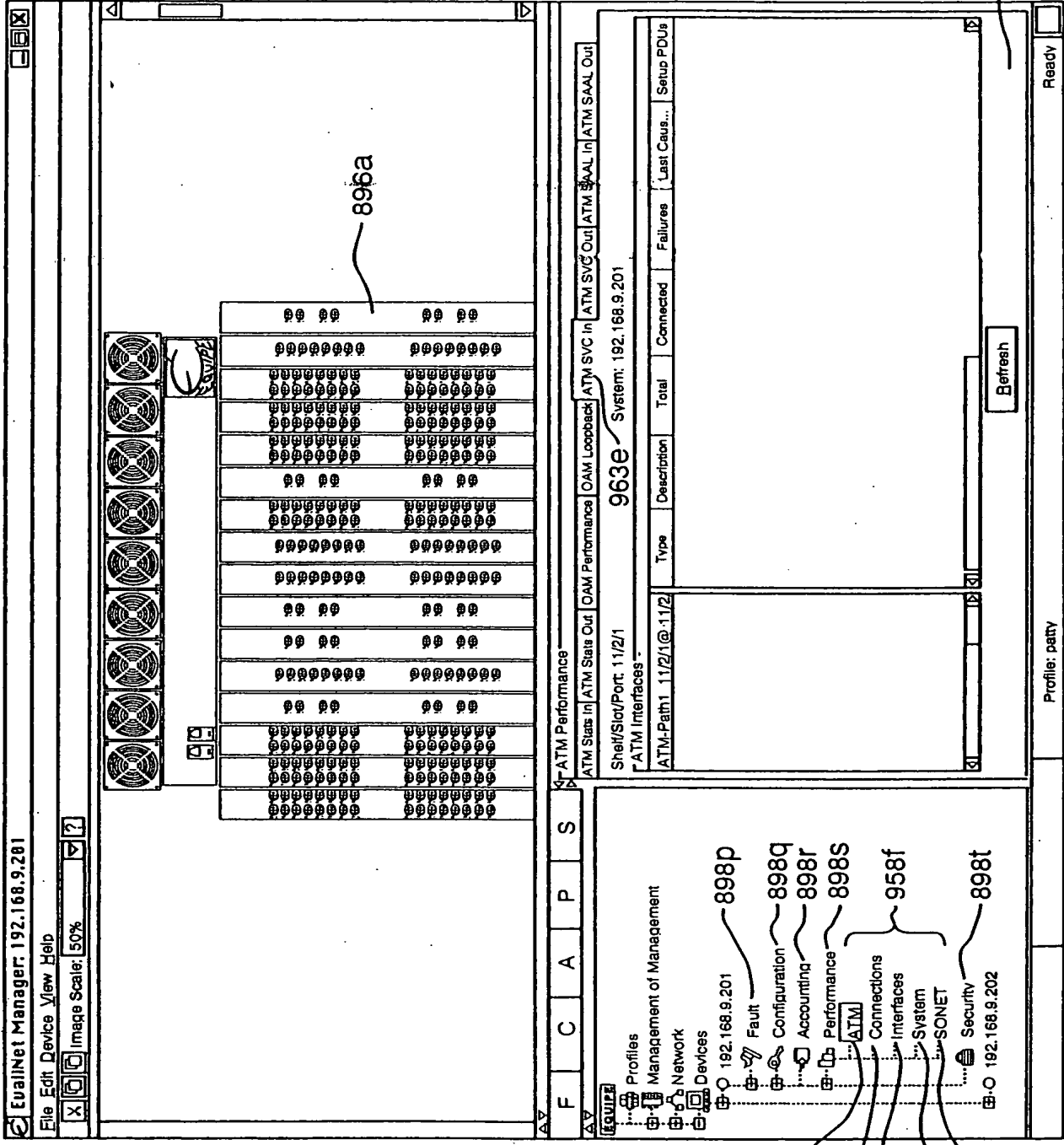


FIG. 7R

895



897

958g
958h
958i
958j
958k

898p
898q
898r
898s
958f
898t

Profiles
Management of Management
Network
Devices
192.168.9.201
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security
192.168.9.202

FIG. 7S

895

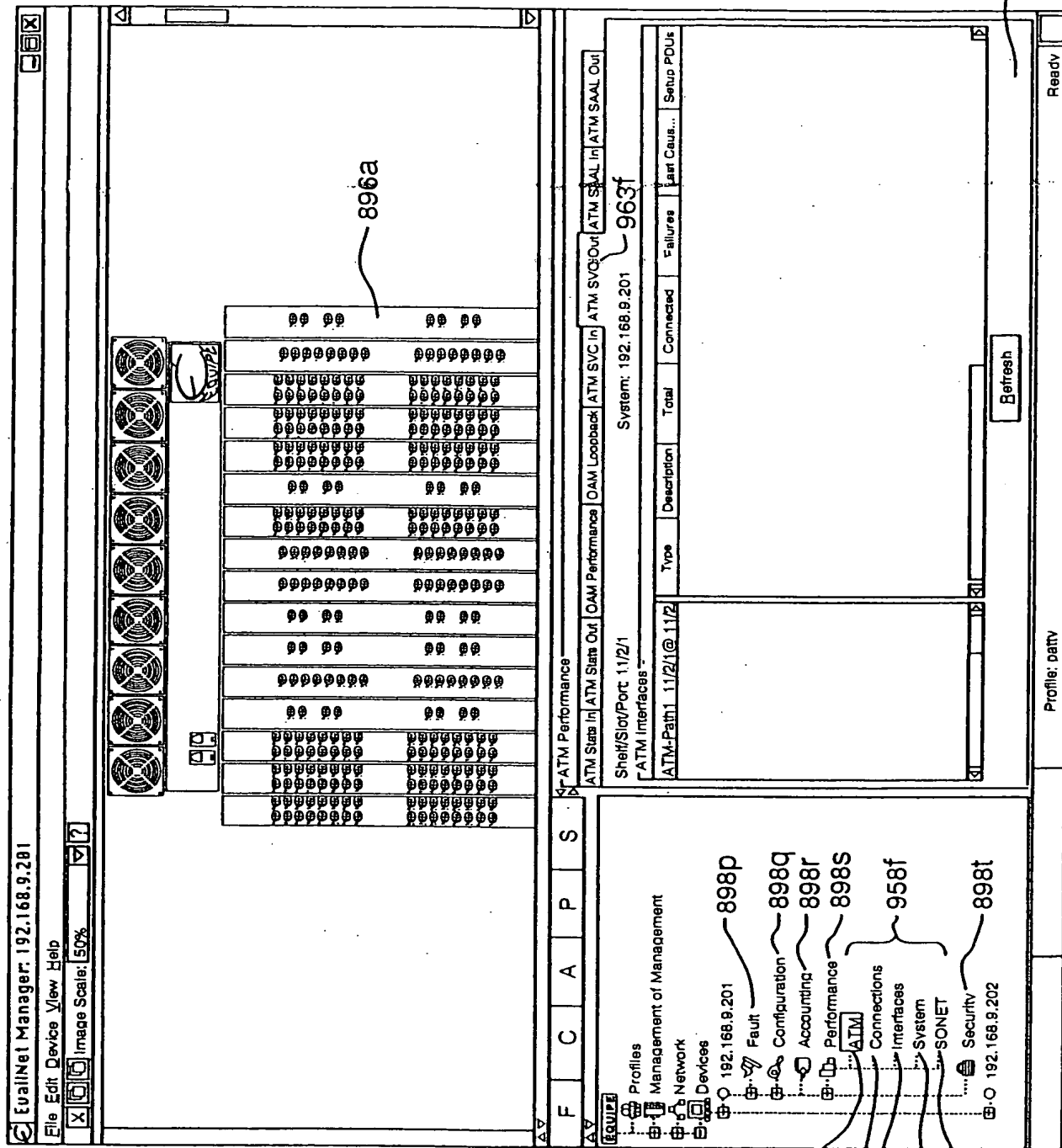


FIG. 7T

FIG. 7U

895

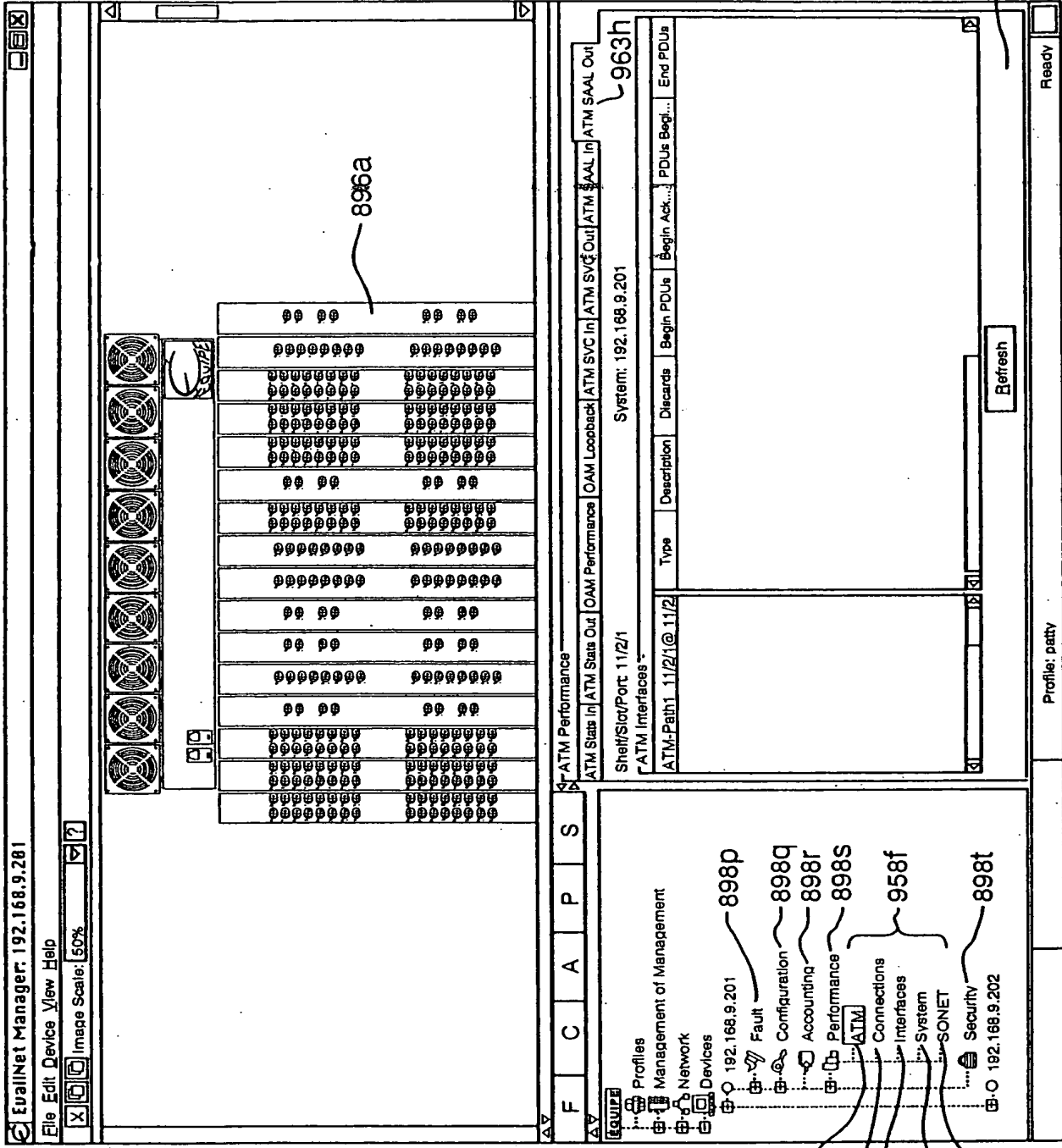


FIG. 7V

895

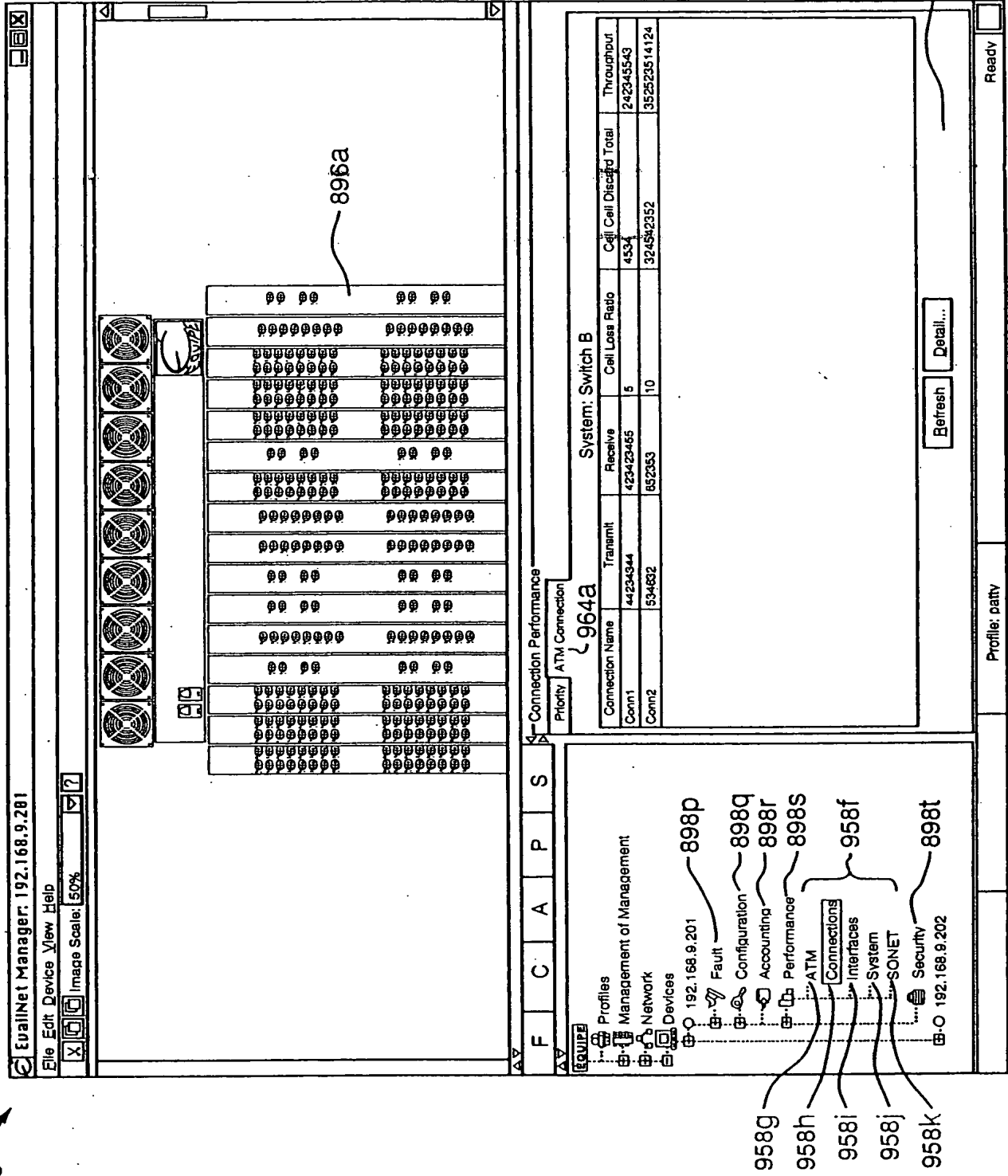


FIG. 7W

895

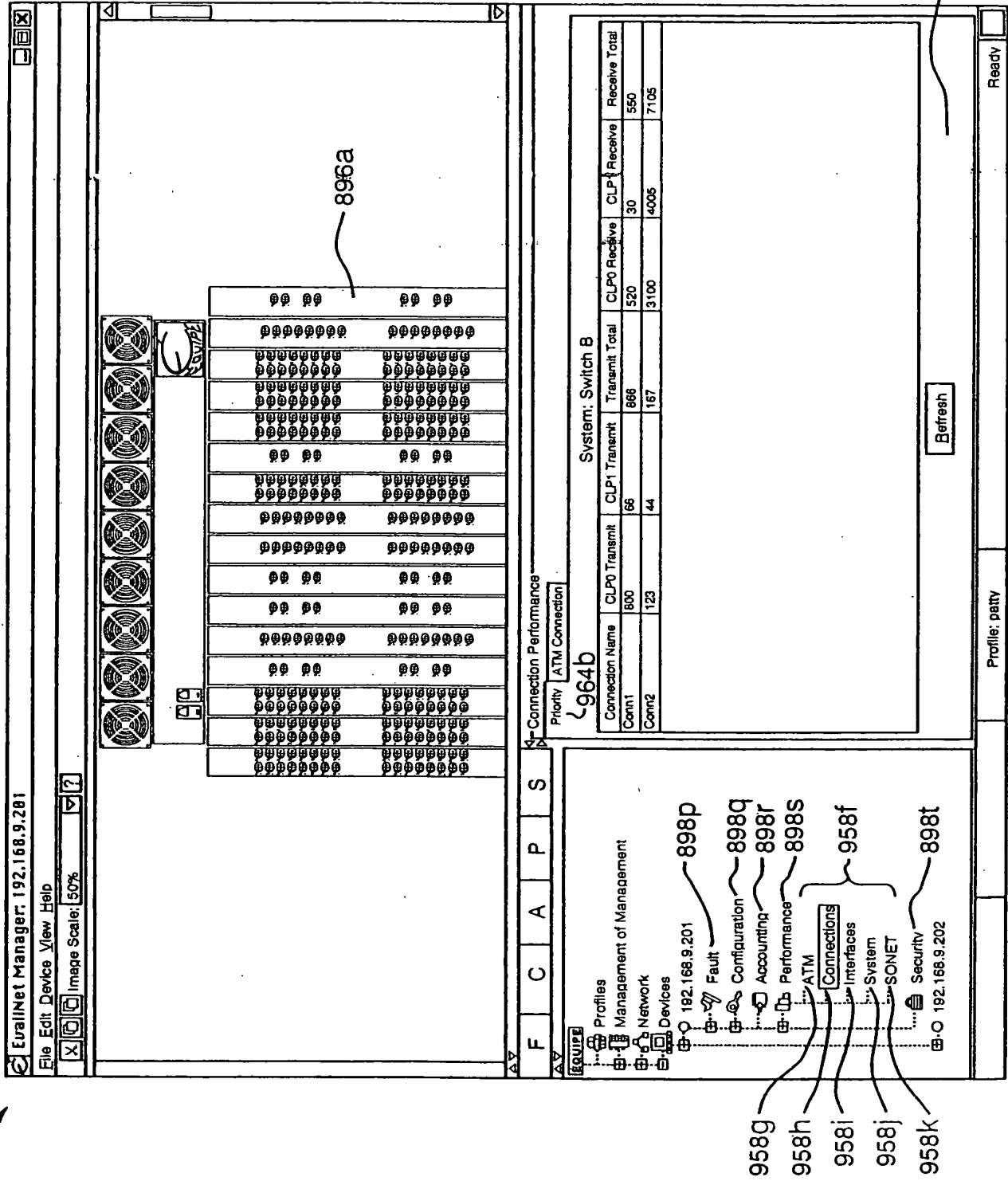


FIG. 7X

895

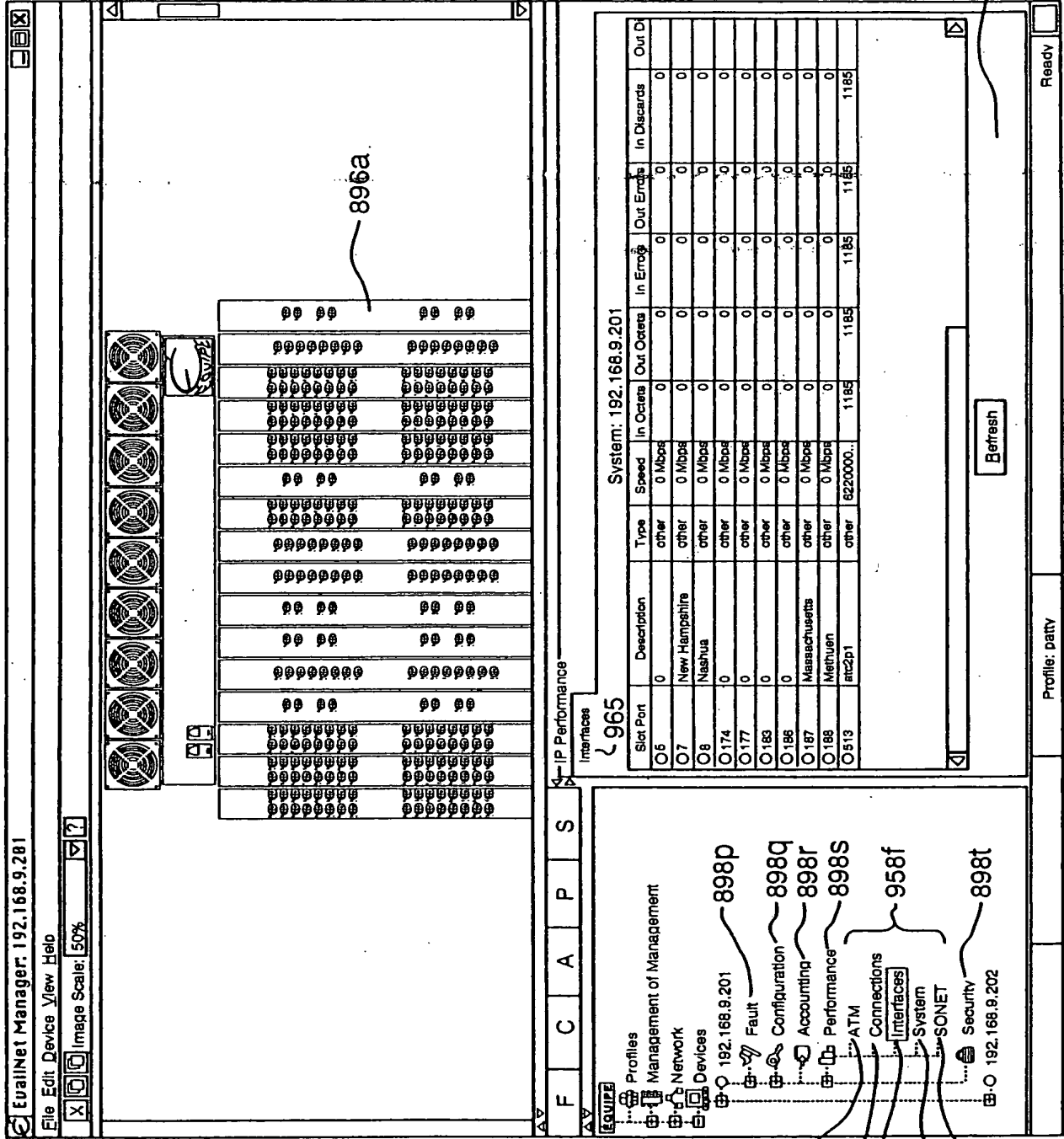


FIG. 7Y

895

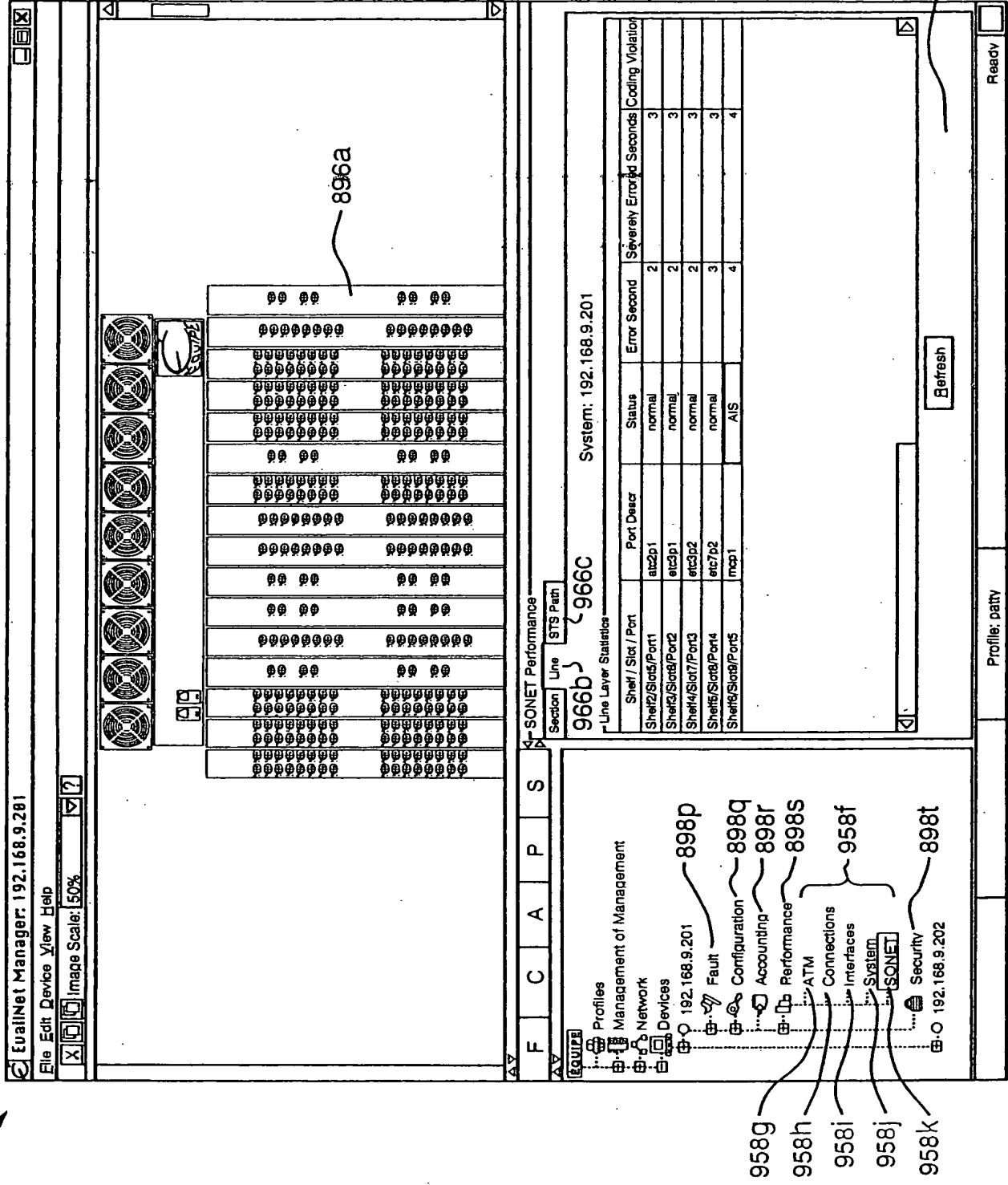
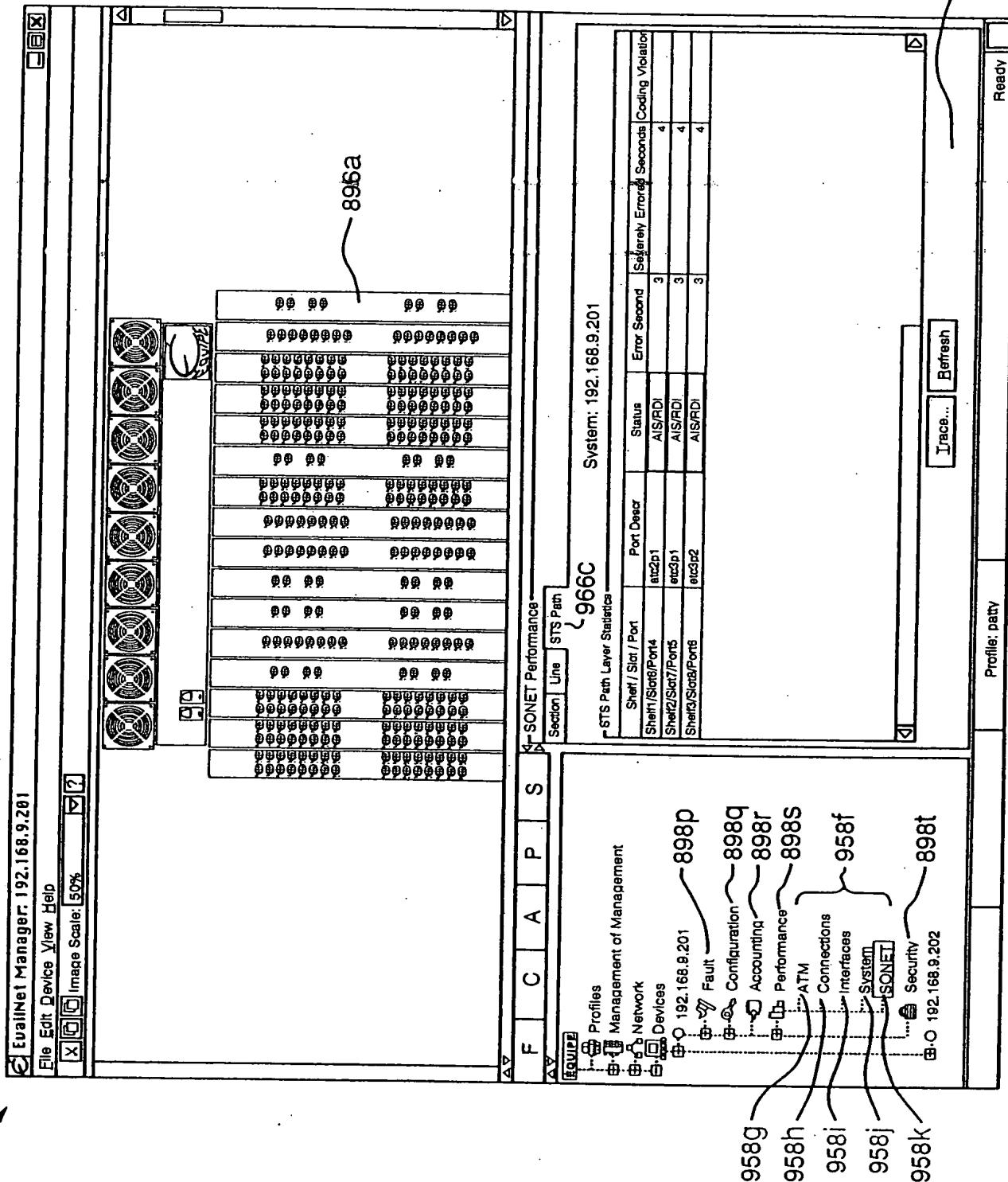


FIG. 8B

895



897

FIG. 8C

895

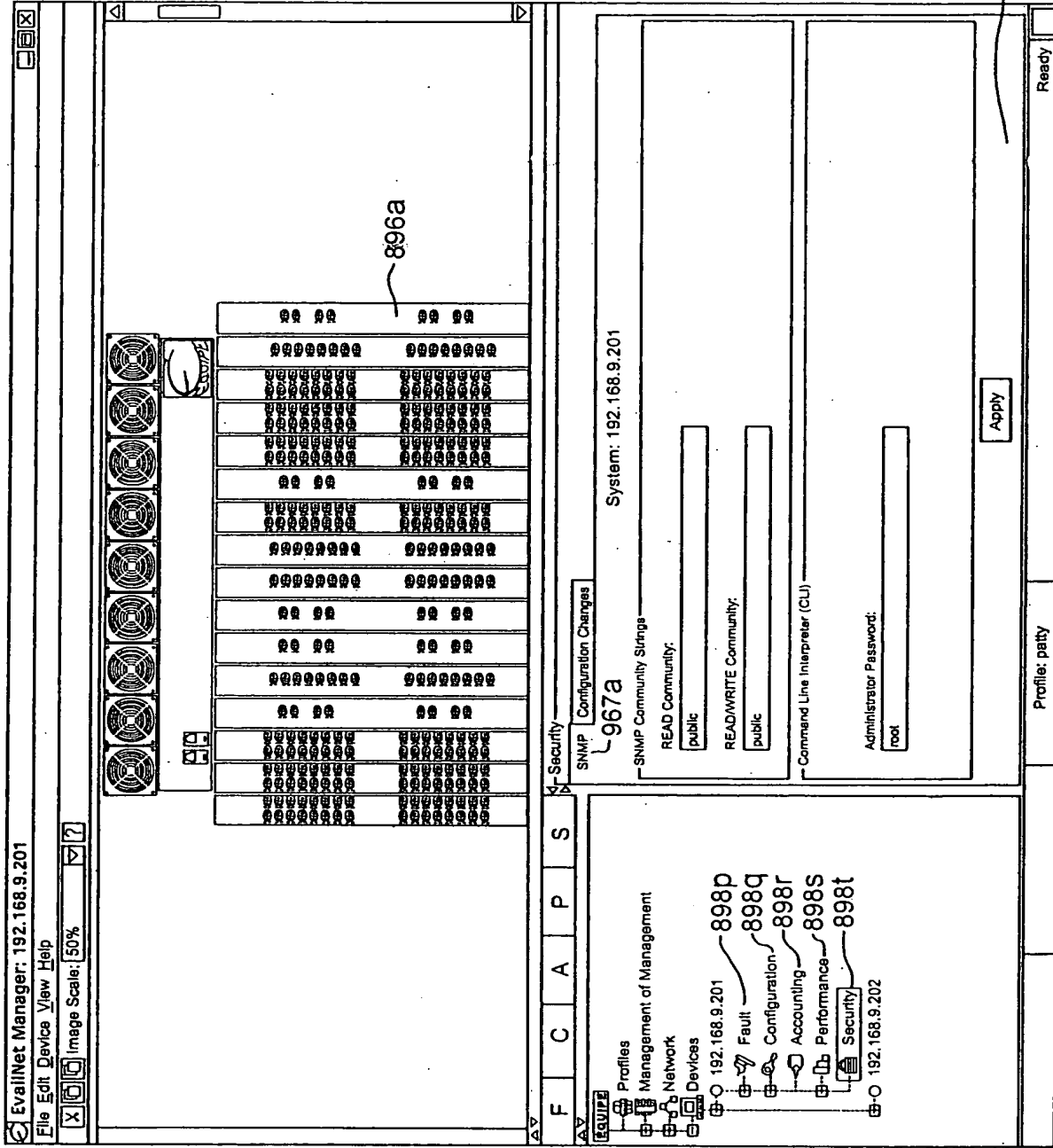


FIG. 8D

895

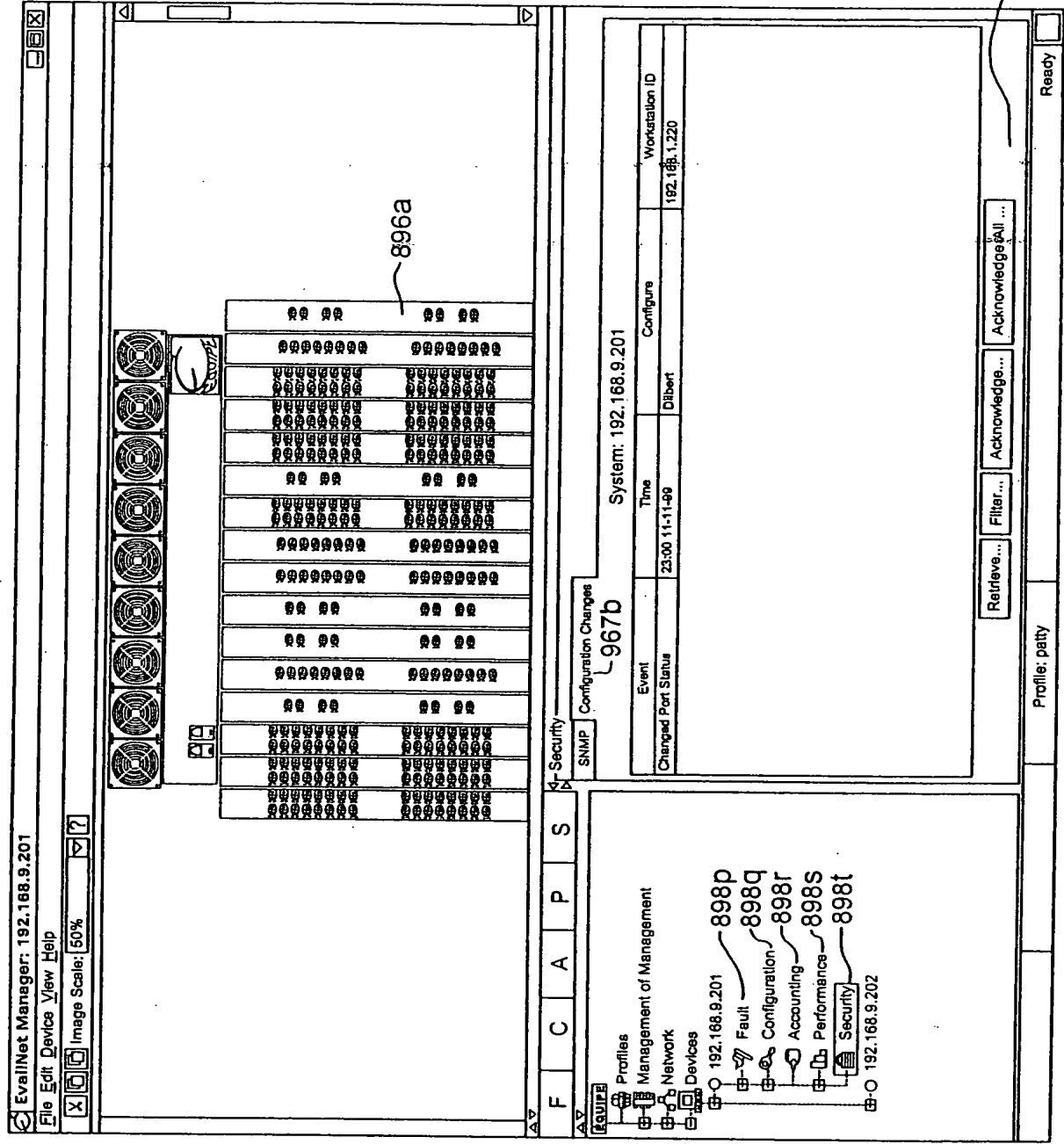


FIG. 8E

FIG. 9A

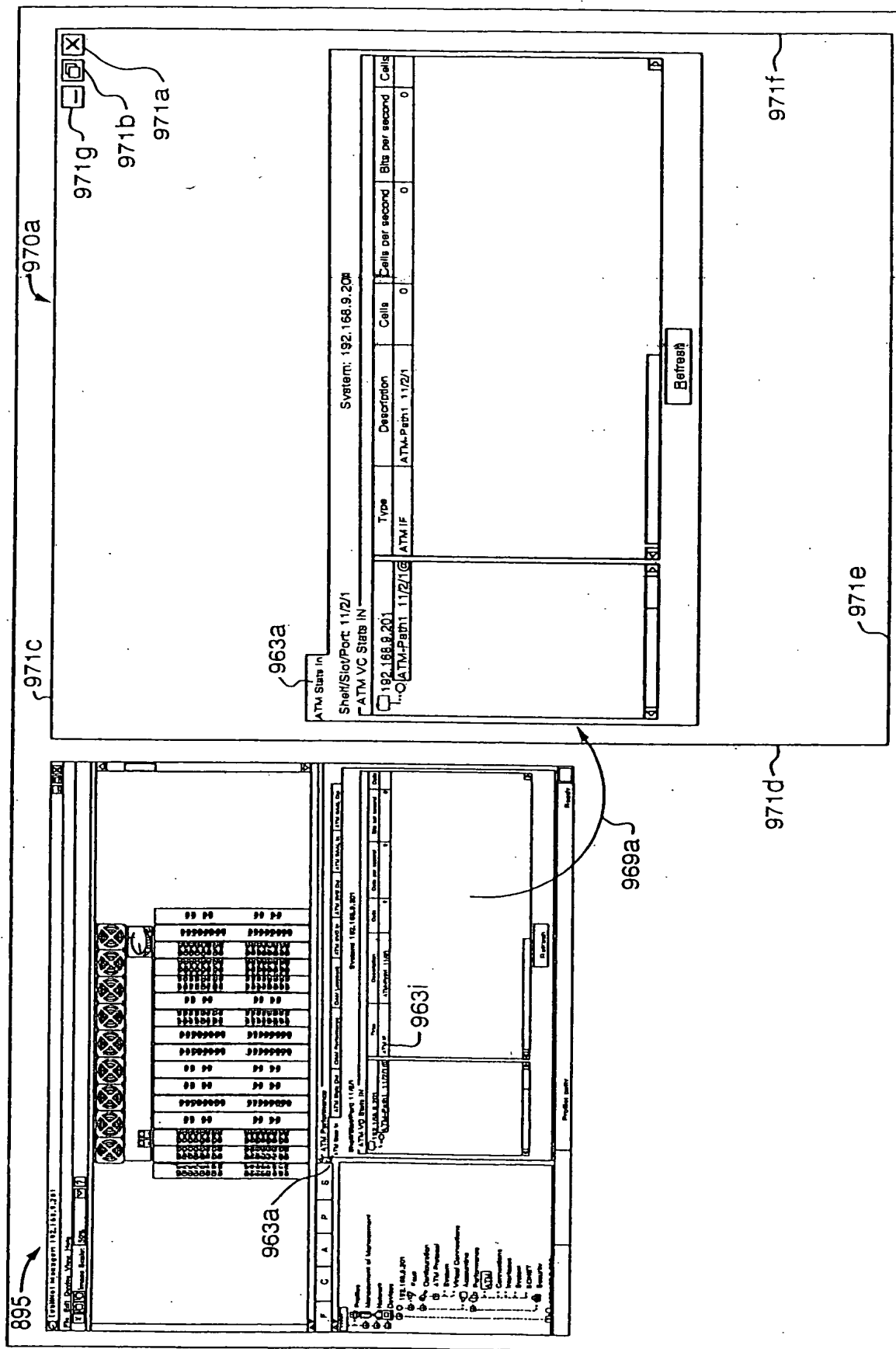
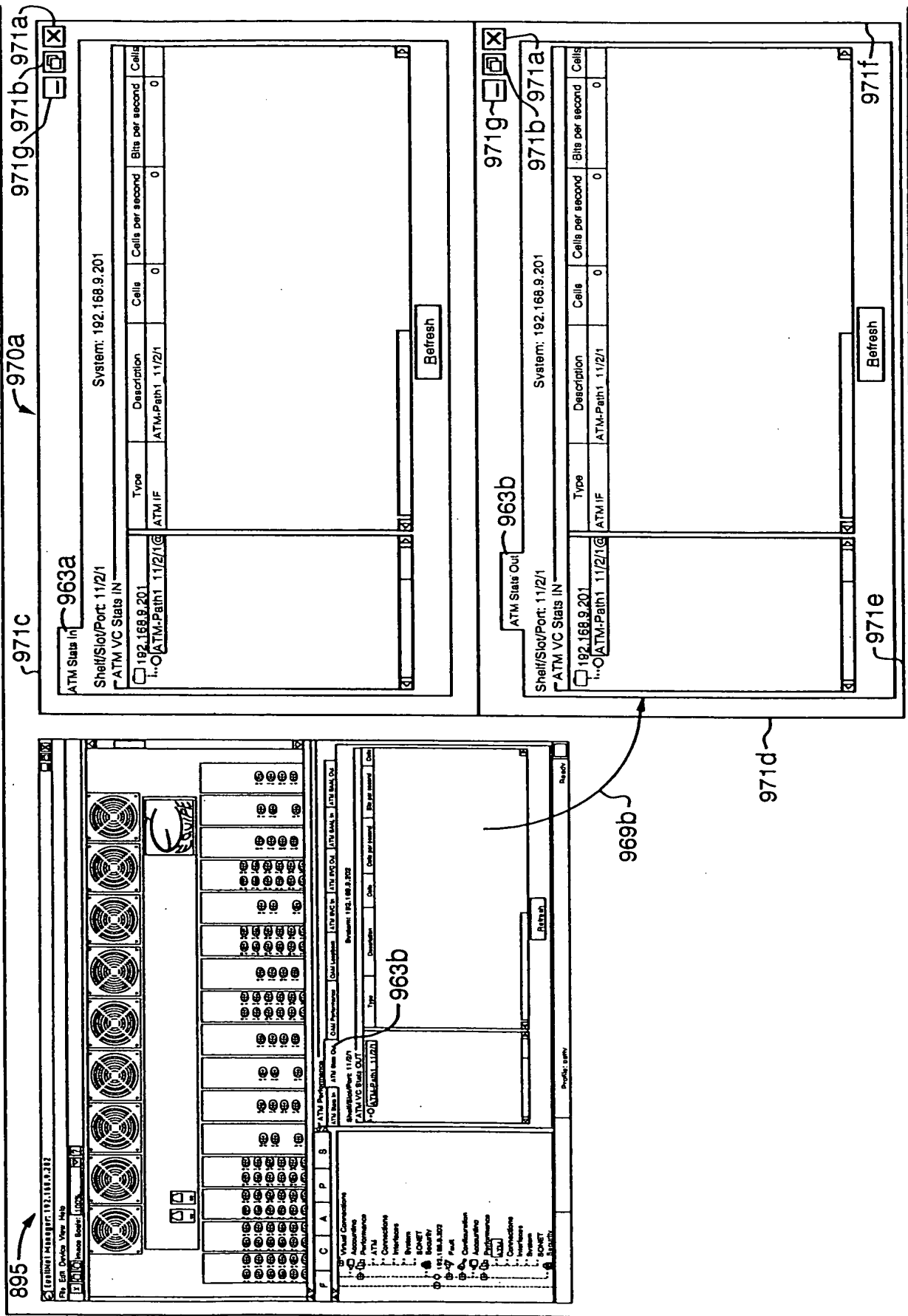


FIG. 9B



970a

895

The main window displays a tree view of system components. A sub-window titled '972a' is open, showing the configuration for 'ATM VC RIG OUT'. It includes a table with columns for 'Type', 'Description', 'Cells per second', and 'Cells'. The table is currently empty. Below the table is a 'Refresh' button. The window also shows 'ATM VC RIG IN' and 'ATM VC RIG OUT' sections with similar tables and a 'Refresh' button.

963a

ATM VC RIG IN

Refresh

Type	Description	Cells per second	Cells
ATM VC RIG IN	ATM VC RIG IN	0	0

Refresh

963b

ATM VC RIG OUT

Refresh

Type	Description	Cells per second	Cells
ATM VC RIG OUT	ATM VC RIG OUT	0	0

Refresh

972a

ATM VC RIG IN

Refresh

Type	Description	Cells per second	Cells
ATM VC RIG IN	ATM VC RIG IN	0	0

Refresh

969c

FIG. 9D

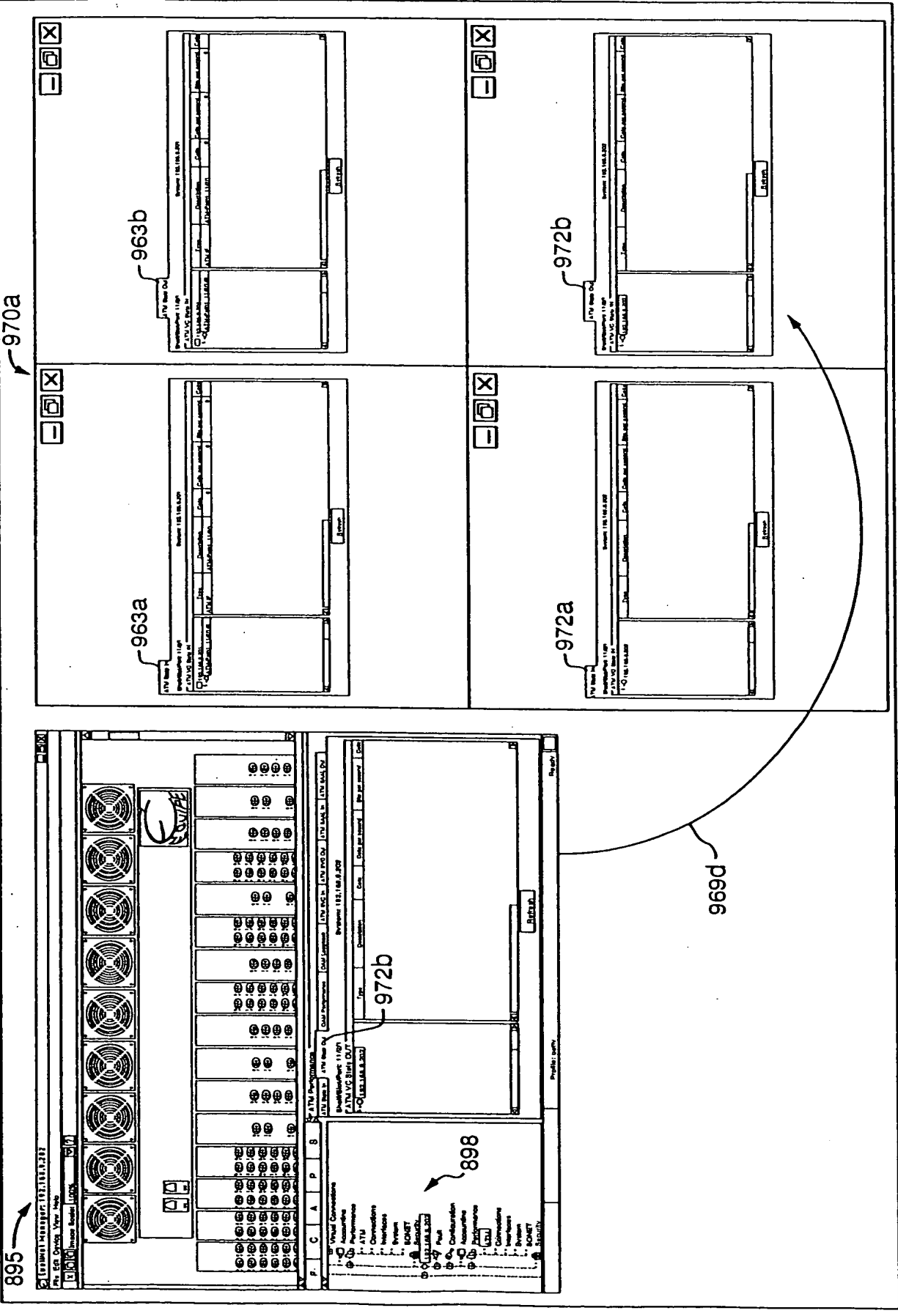


FIG. 9E

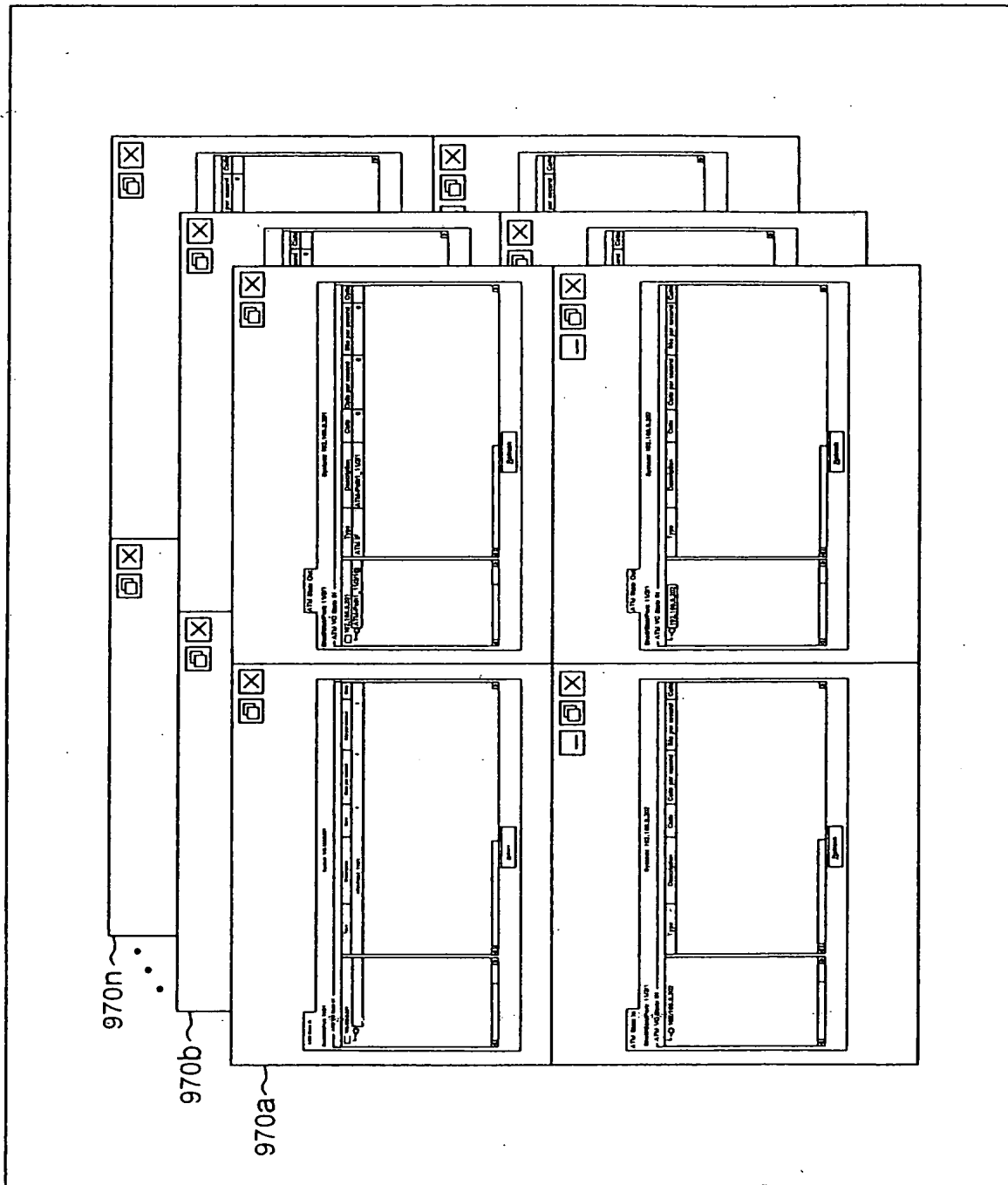


FIG. 9F

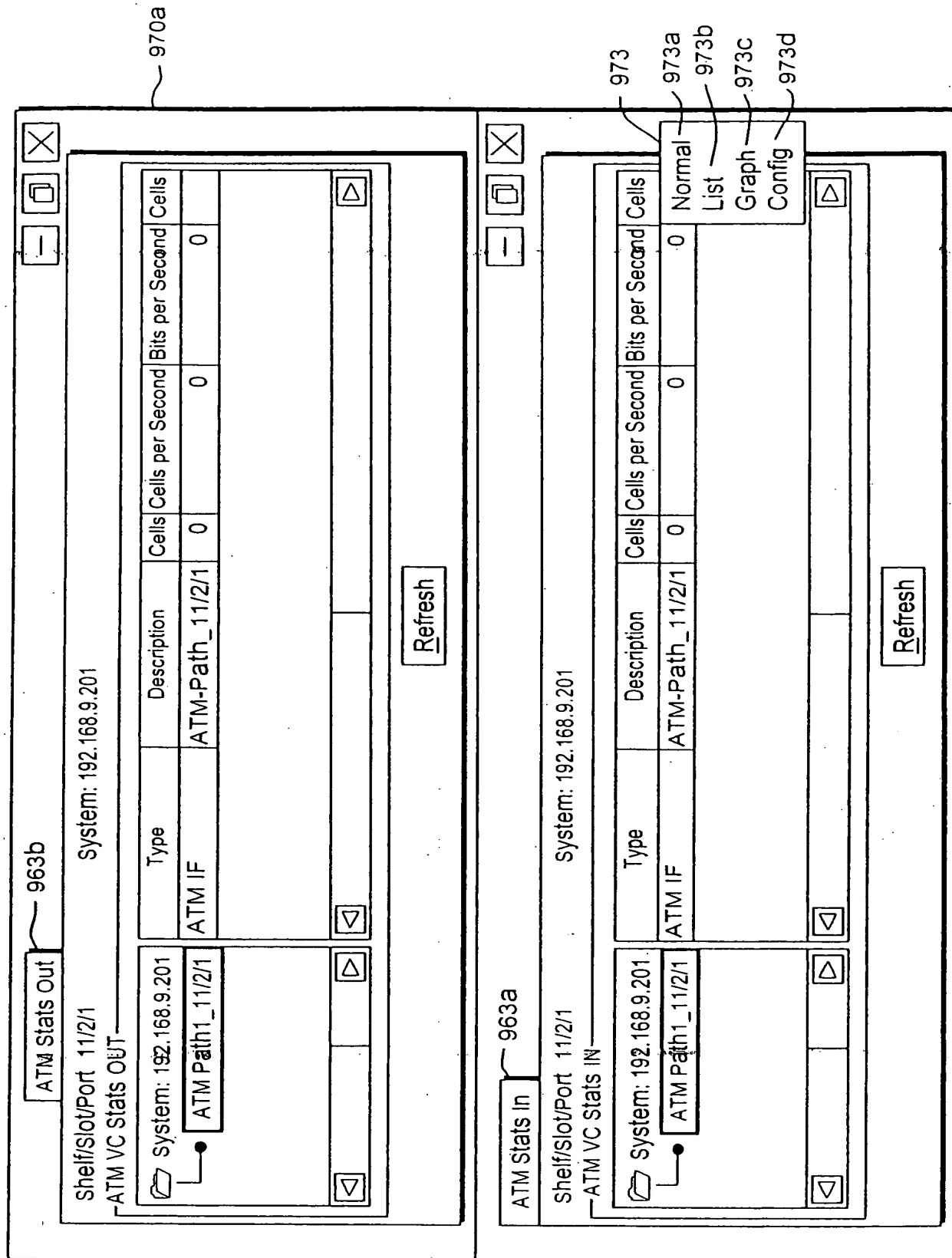


FIG. 9G

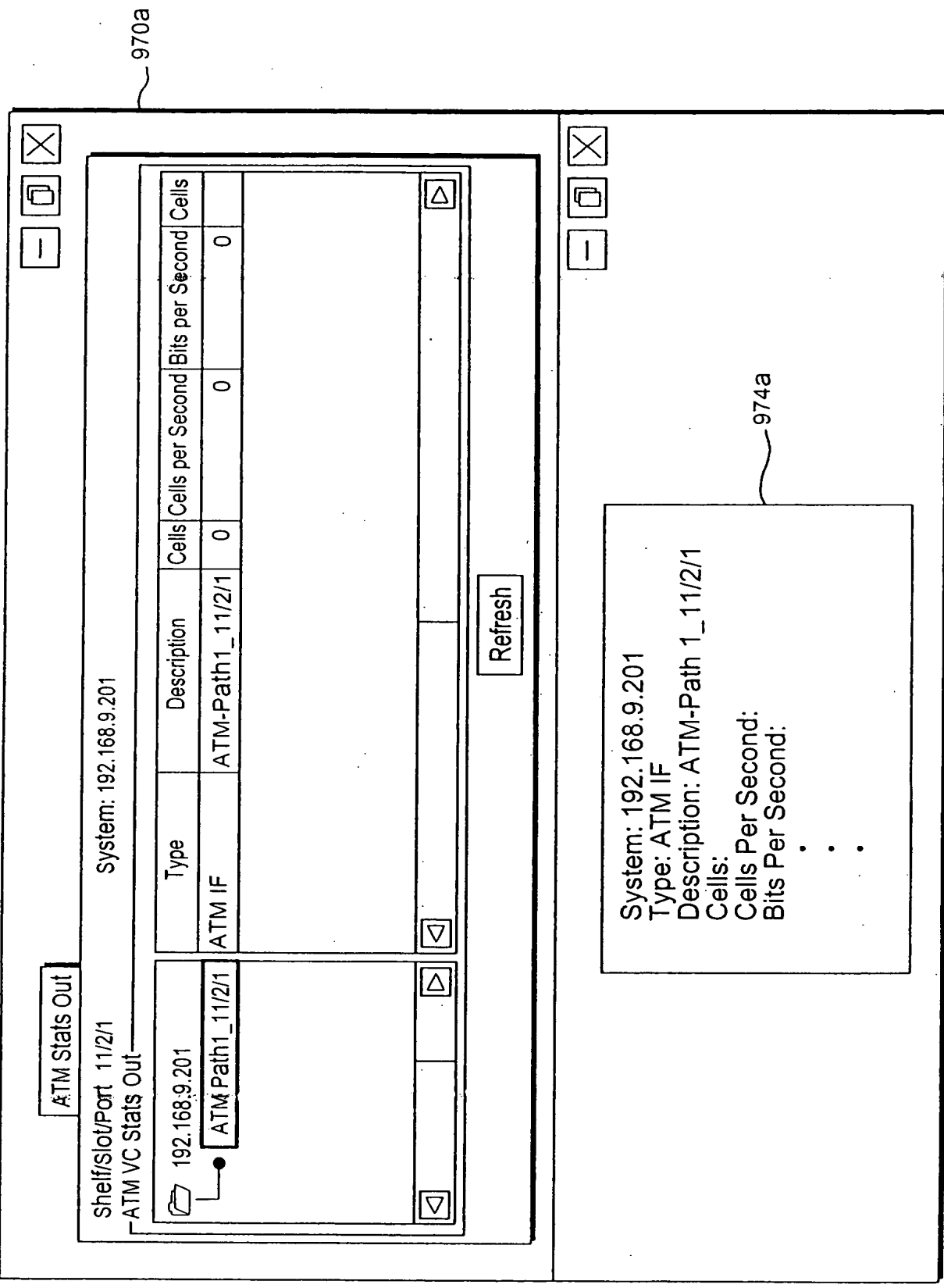


FIG. 9H

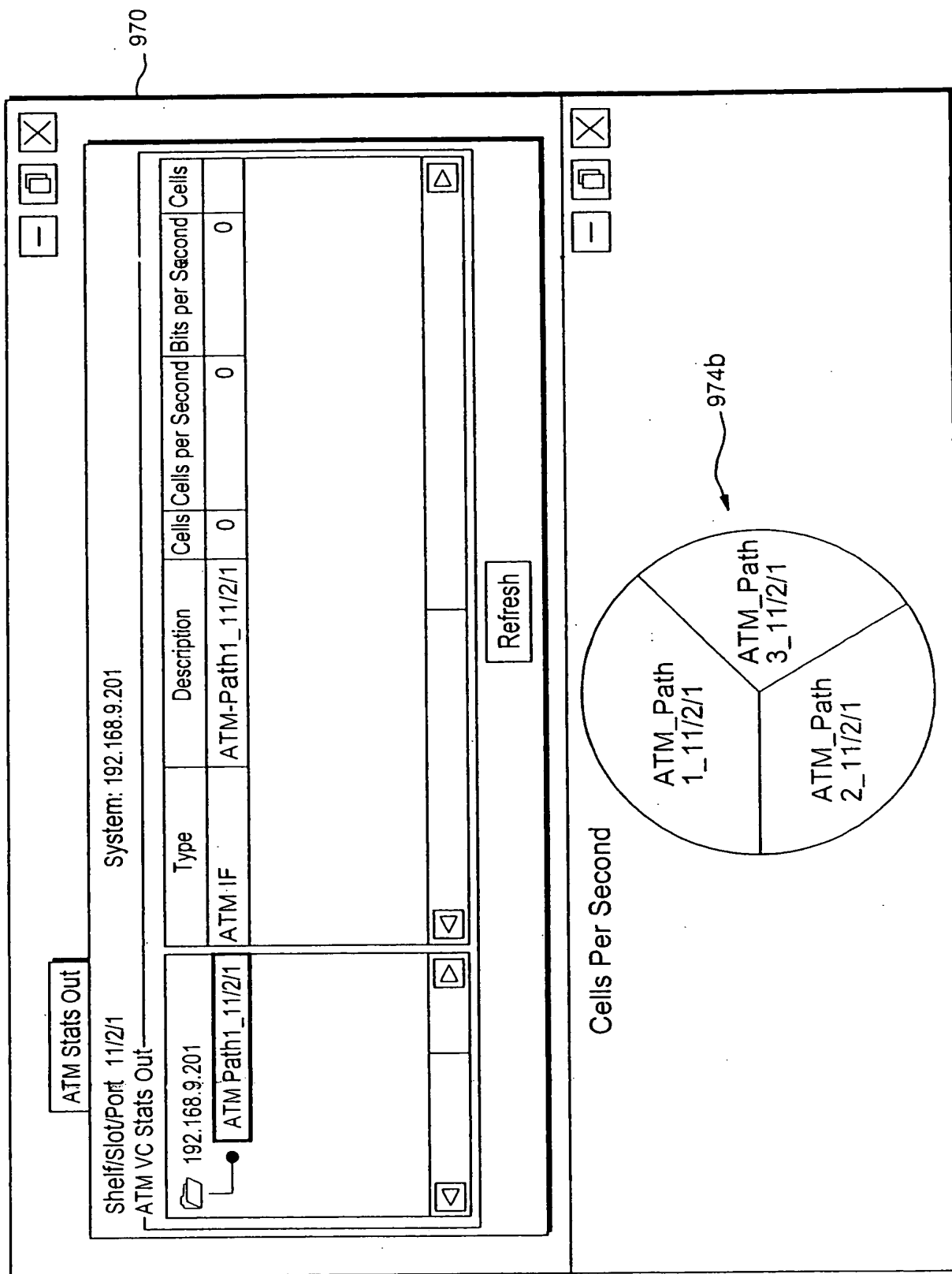


FIG. 91

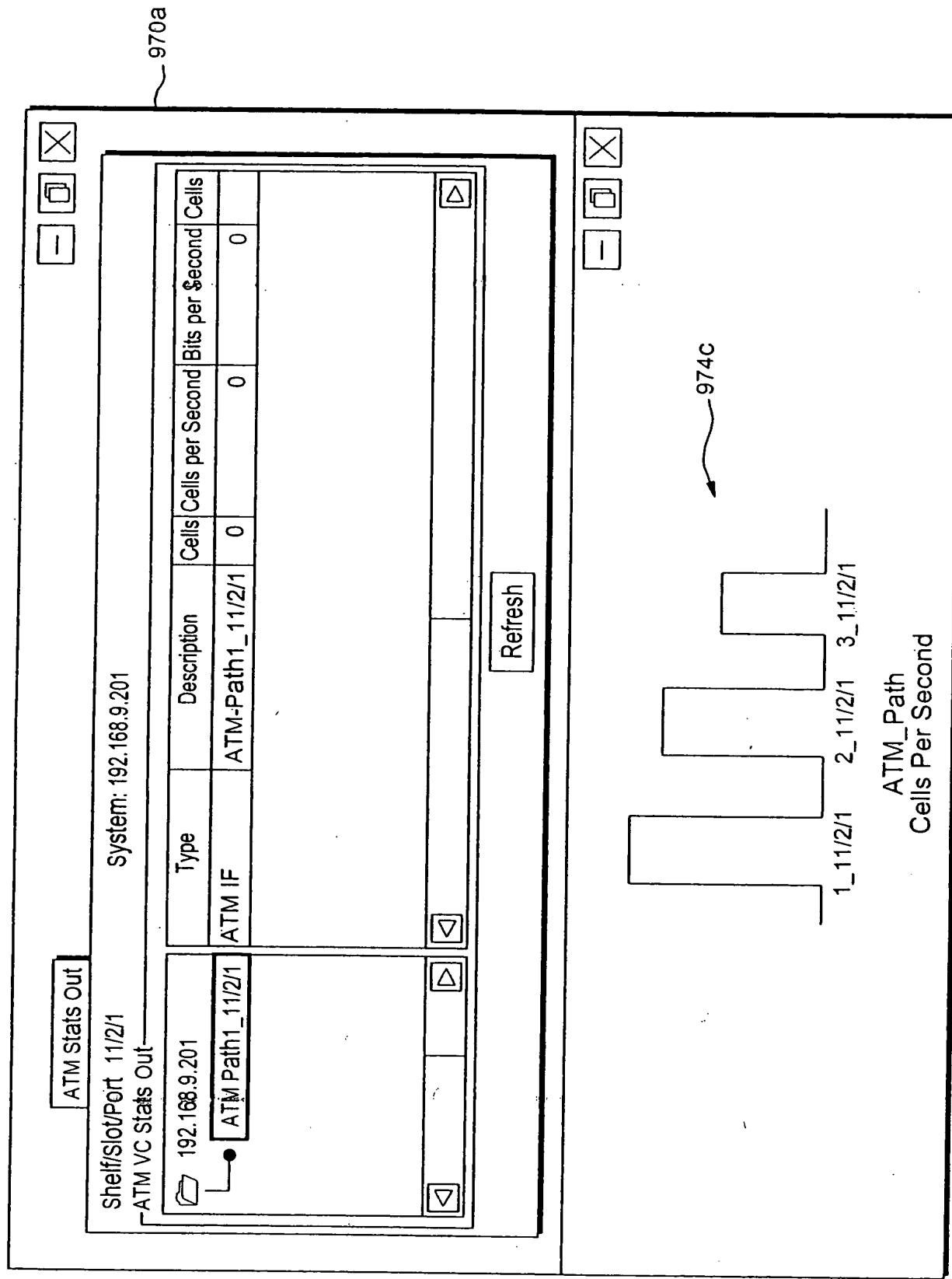


FIG. 9J

Figure 1-10 shows the ATM Interface Properties dialog box. The dialog is titled "ATM Interface Properties - 192.168.9.202". It has two tabs: "ATM Stats Out" and "ATM VC Stats Out". The "ATM Stats Out" tab is active, displaying a tree view on the left with "System: 192.168.9.201" and "ATM Path1_11/2/1". Below the tree is a table with the following columns: Type, Description, Cells, Cells per Second, Bits per Second, and Cells. The table contains one row: "ATM IF", "ATM-Path_11/2/1", "0", "0", "0", "0". A "Refresh" button is located at the bottom right of the "ATM Stats Out" tab. The "ATM VC Stats Out" tab is also visible, showing a tree view with "System: 192.168.9.201" and "ATM Path1_11/2/1". Below the tree is a table with the following columns: Name, Minimum VPI bits, Maximum VPI bits, Minimum VCI bits, and Maximum VCI bits. The table contains one row: "ATM-Path_11/2/1", "1", "8", "5", "16". A "Refresh" button is also present at the bottom right of the "ATM VC Stats Out" tab. The dialog has standard Windows window controls (min, max, close) at the top.

ATM Interface Properties - 192.168.9.202

Shelf/Slot/Port: 11/4/1 Path Name: Path2_11/2/1

ATM Properties

Name	Value
Minimum VPI bits	1
Maximum VPI bits	8
Minimum VCI bits	5
Maximum VCI bits	16

OK Cancel

FIG. 9K

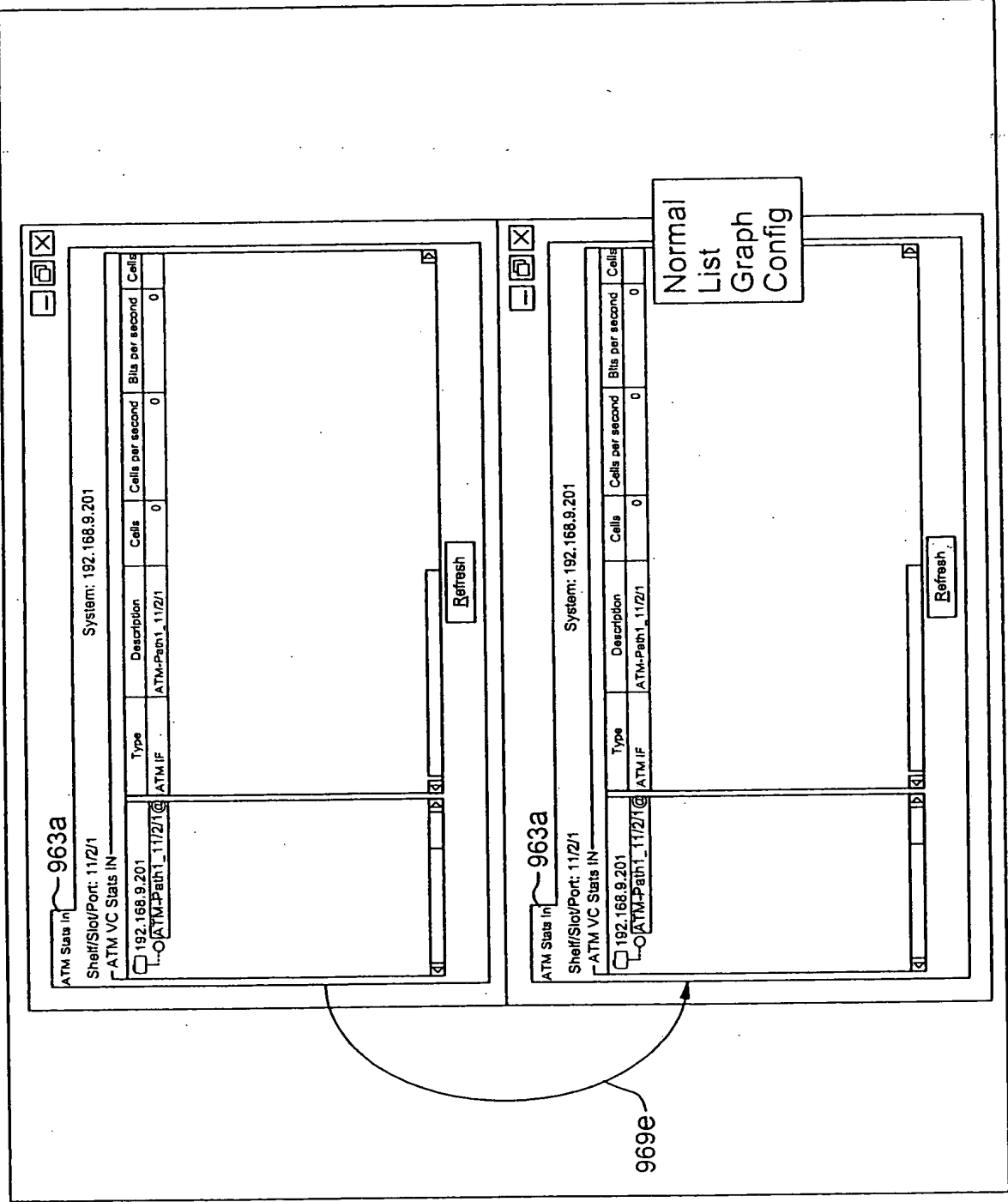
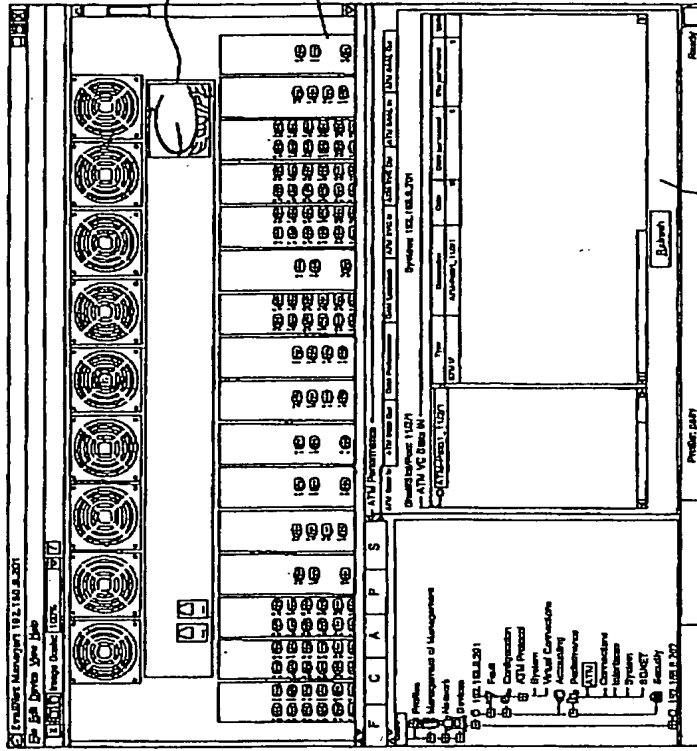


FIG. 9L

970a

895



897

SYSTEM: 192.168.9.201

896a

969f

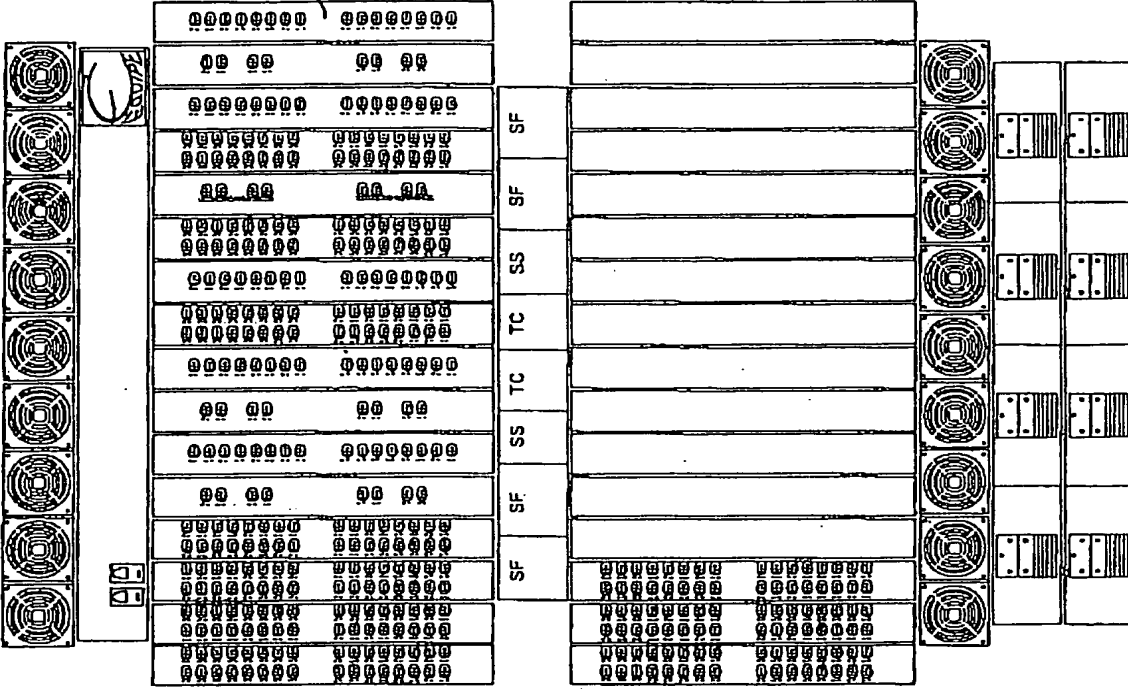
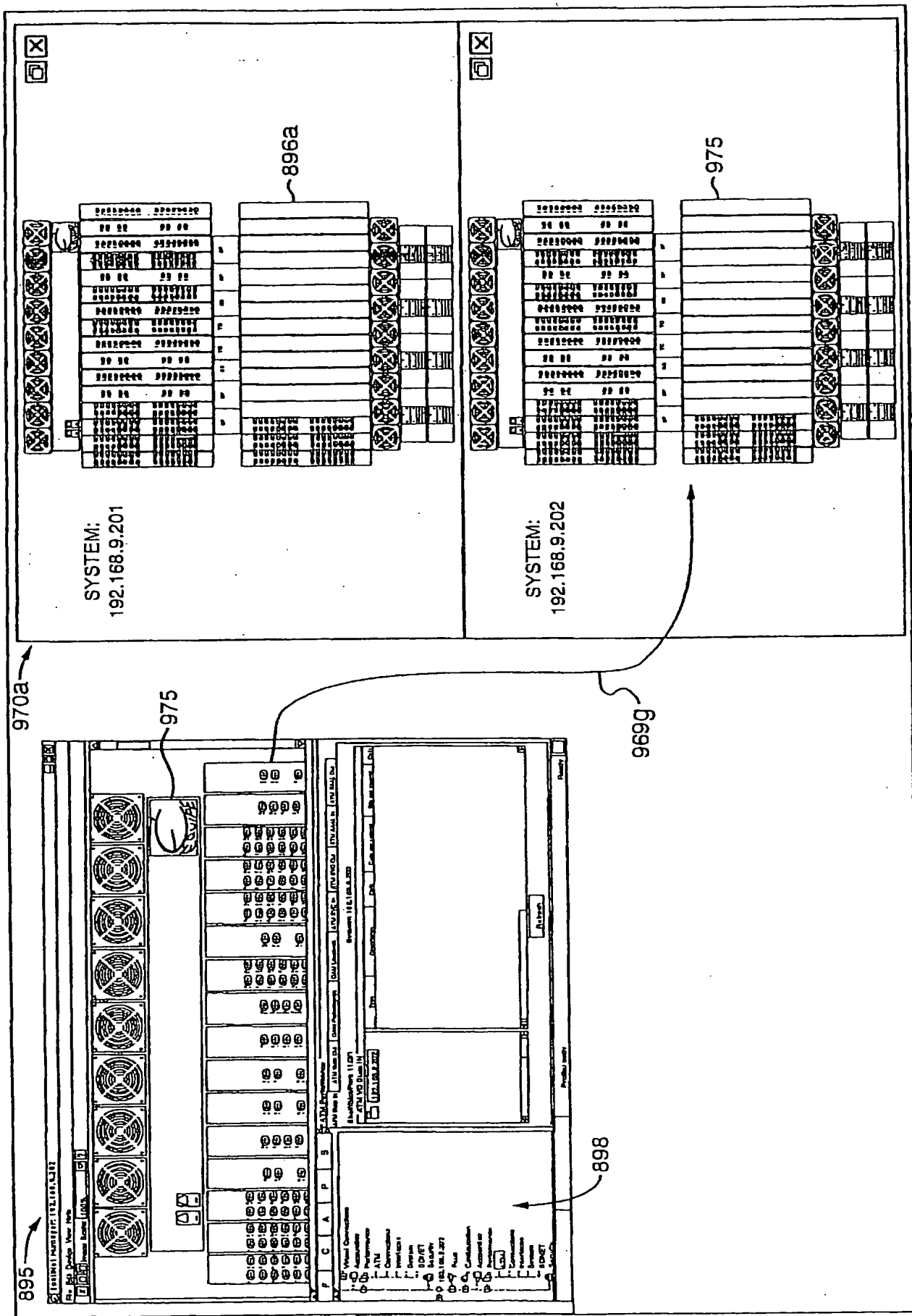


FIG. 9M



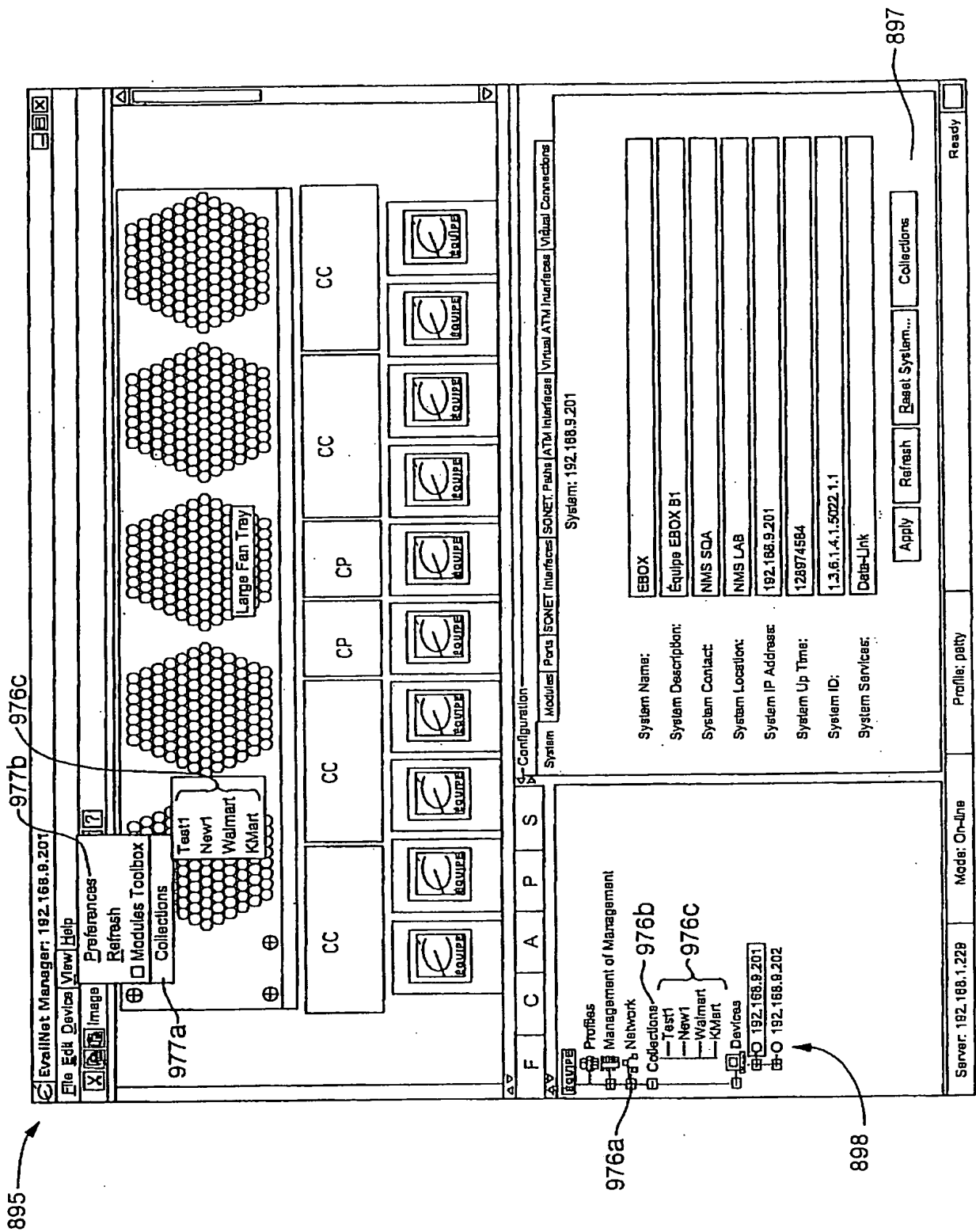


FIG. 10A

895

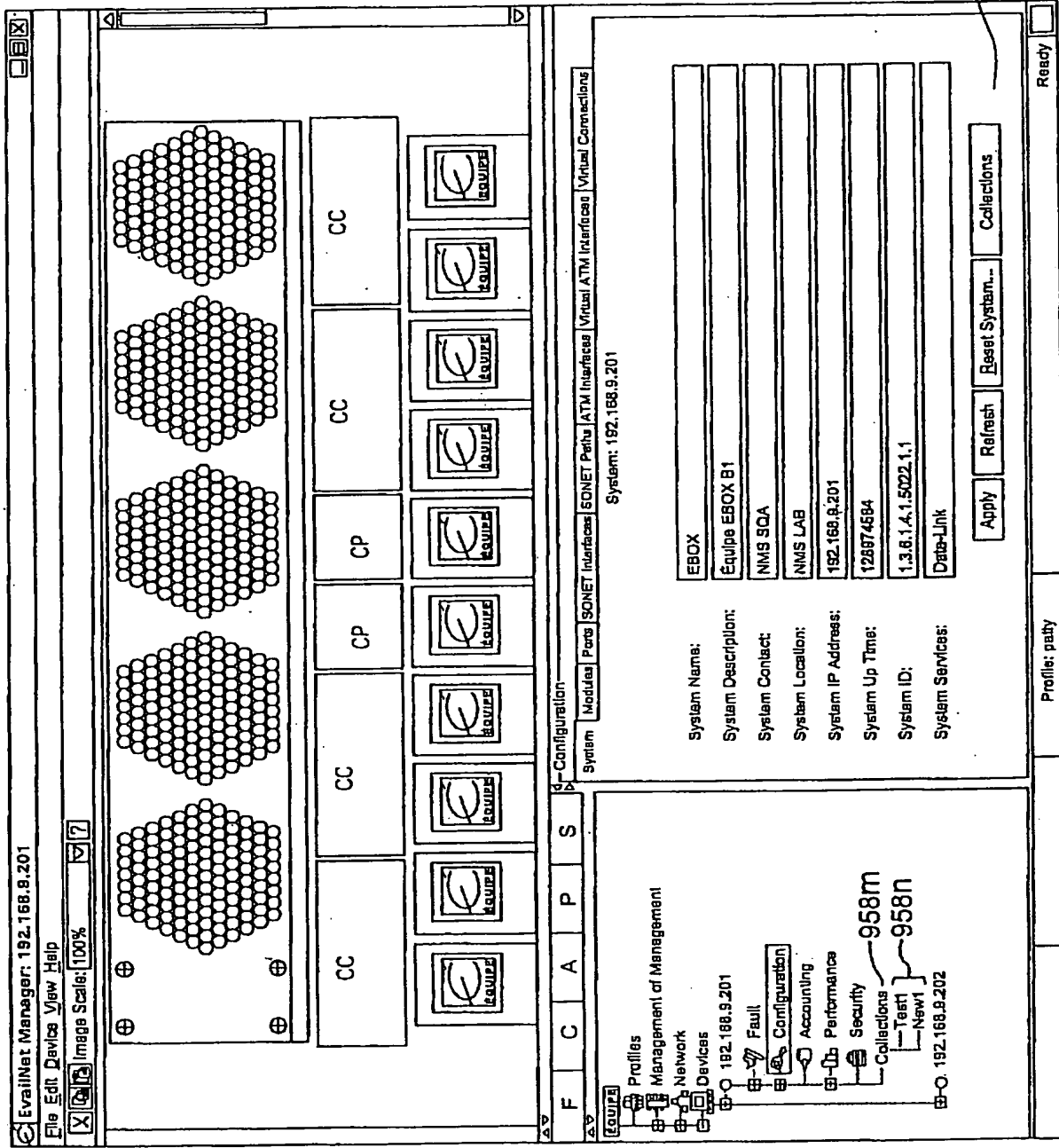
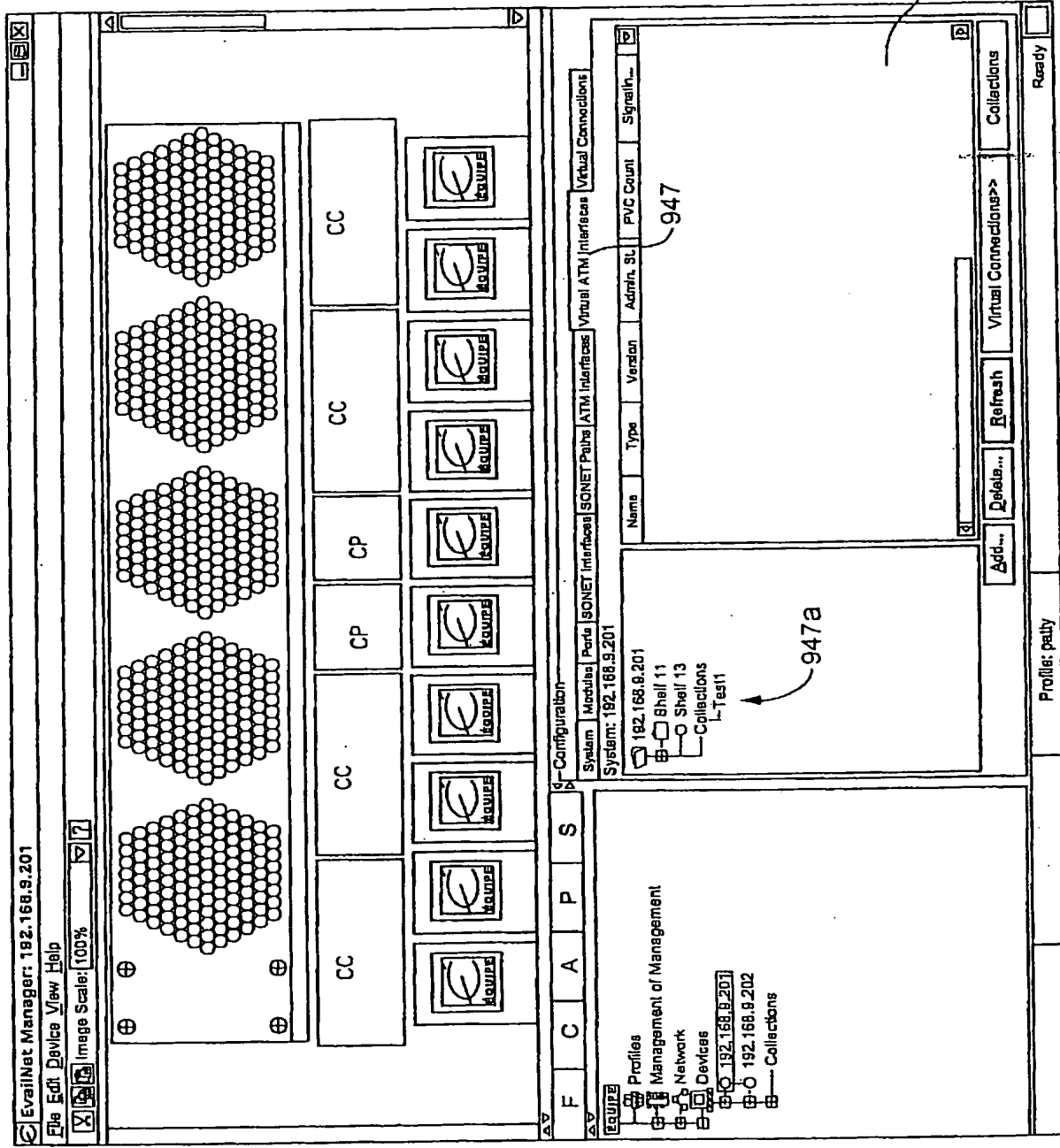


FIG. 10B

897

895



897

FIG. 10C

FIG. 10D

Collection Name:

979d

FIG. 10E

Existing Collections:

- Test1
- New1
- Walmart
- Kmart

OK

FIG. 10F

		979a	
		979b	
	Collections	979c	Add to Collection New Collection

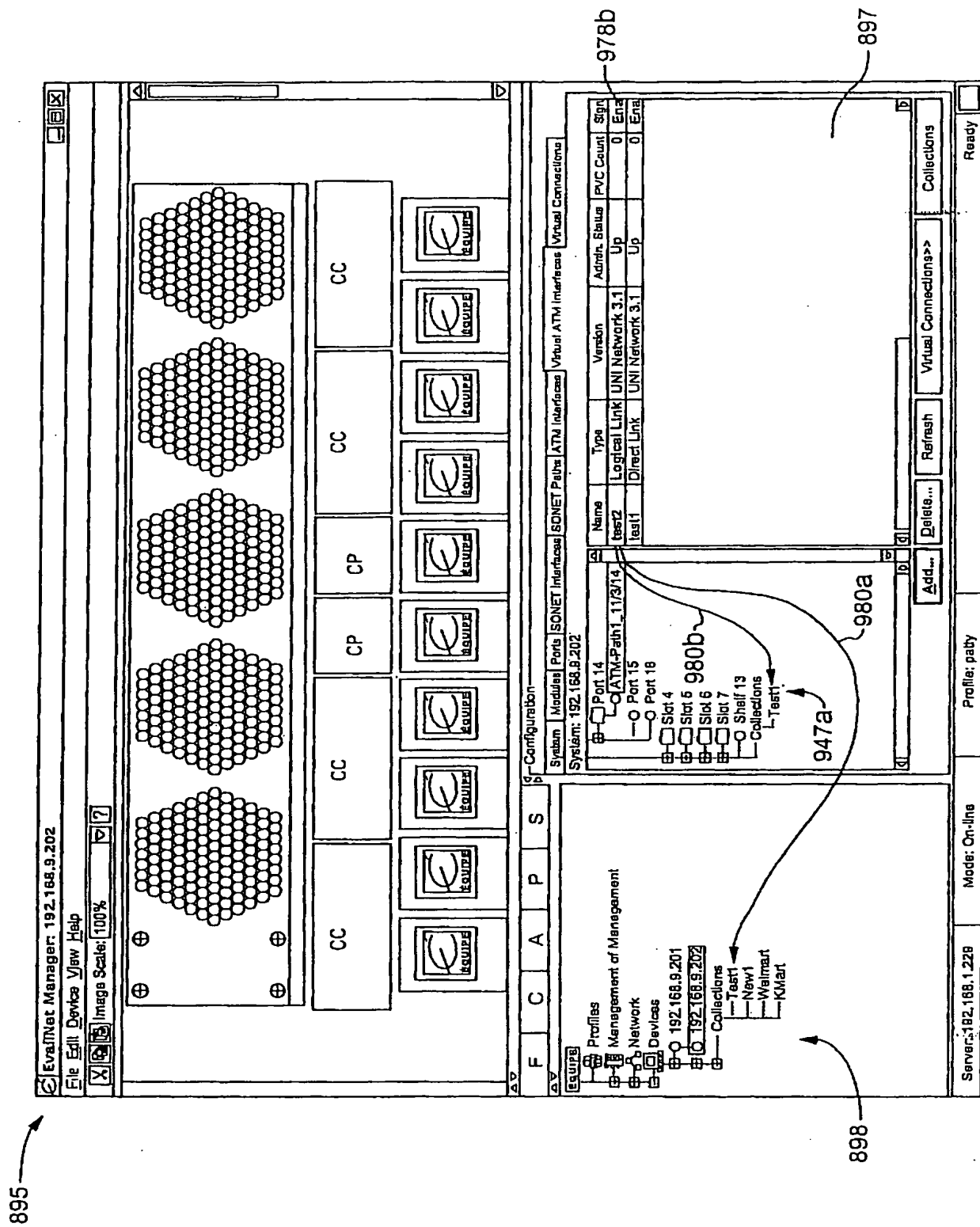
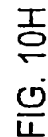


FIG. 10G



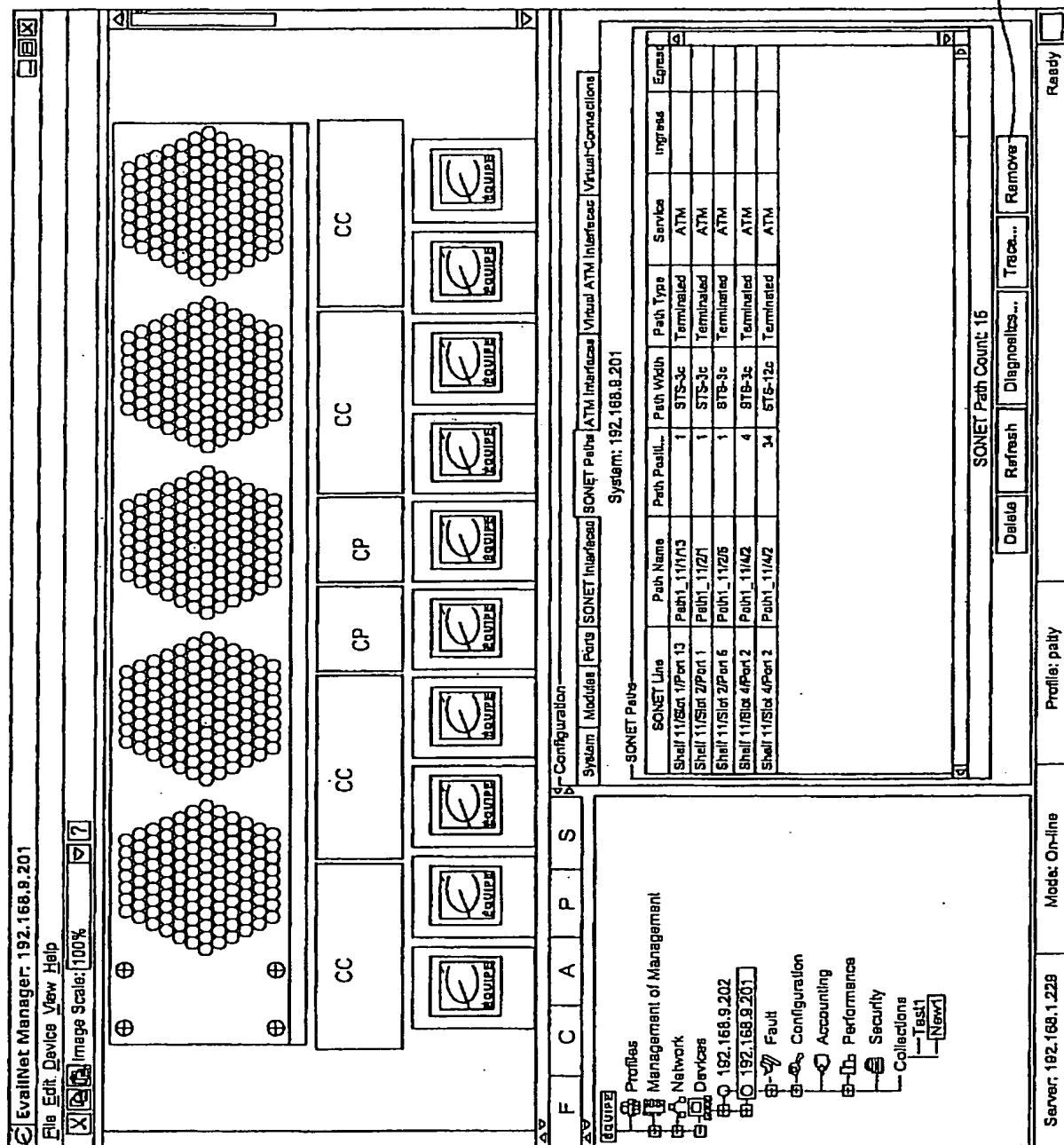


FIG. 10I

903

Profiles

System: 192.132.60.150

Profile Manager

Name	Description	Security Level	Timeout	Primary Server	Secondary Server
Joe	Joe Whitehouse	Admin	15	192.168.1.32	192.168.1.32
Wayne	Wayne Arena	Provisioner	15	TeamServer1:192...	TeamServer2:192.168.1.32

Add

Delete...

Refresh

Copy

904

905

906

FIG. 11A

907

General

Username: Kevin

Description: Kevin Snow user account

Group Name: Equipe

Group Level Access: ☐

Password: *****

Confirm Password: *****

Policies

☒ User Cannot Change Password

☐ Account Disabled

☒ User Can Add DeVICES

User Session Timeout: Minutes

FIG. 11B

TO
FIG. 11B CONTINUED

FROM
FIG. 11B

Servers

Primary Server:

192.168.1.220

908l

Primary Server Port:

6500

908n

Secondary Server:

192.168.1.221

908m

Secondary Server Port:

6503

908o

Devices

908g

Device	READ	READ/WRITE	Retry	Timeout
192.168.9.202	public	equipe	3	3
192.168.9.205	public	equipe	3	3
192.168.9.216	public	equipe	3	3

908p

908q

908r

908s

Add

Delete

908t

OK

Cancel

FIG. 11B CONTINUED

General

Policies

Servers

Devices

Primary Server:

Primary Server Port:

Secondary Server:

Secondary Server Port:

192.168.1.220

6500

192.168.1.205

6503

908t

OK

Cancel

FIG. 11C

General

Policies

Servers

Devices

Device	READ	READ/WRITE	Retry	Timeout	Trap Port
192.168.9.202	public	equipe	3	3	162
192.168.9.205	public	equipe	3	3	162
192.168.9.216	public	equipe	3	3	5012

Add

Delete

908t

OK

Cancel

FIG. 11D

				<input type="button" value="-"/> <input type="button" value="□"/> <input type="button" value="X"/>		
		<div> <div>General</div> <div>Policies</div> <div>Servers</div> <div>Devices</div> </div>				
Username:		Kevin				
Description:		Kevin Snow user account				
Customer Name:		Equipe				
Group Level Access:		<input type="button" value="▽"/>				
Password:		*****				
Confirm Password:		*****				
		<div> <div>908t ~</div> <div>OK</div> <div>Cancel</div> </div>				

FIG. 11E

General

Policies

Servers

Devices

☐ User Cannot Change Password

☐ Account Disabled

☒ User Can Add Devices

User Session Timeout:

15

Minutes

908t

OK

Cancel

FIG. 11F

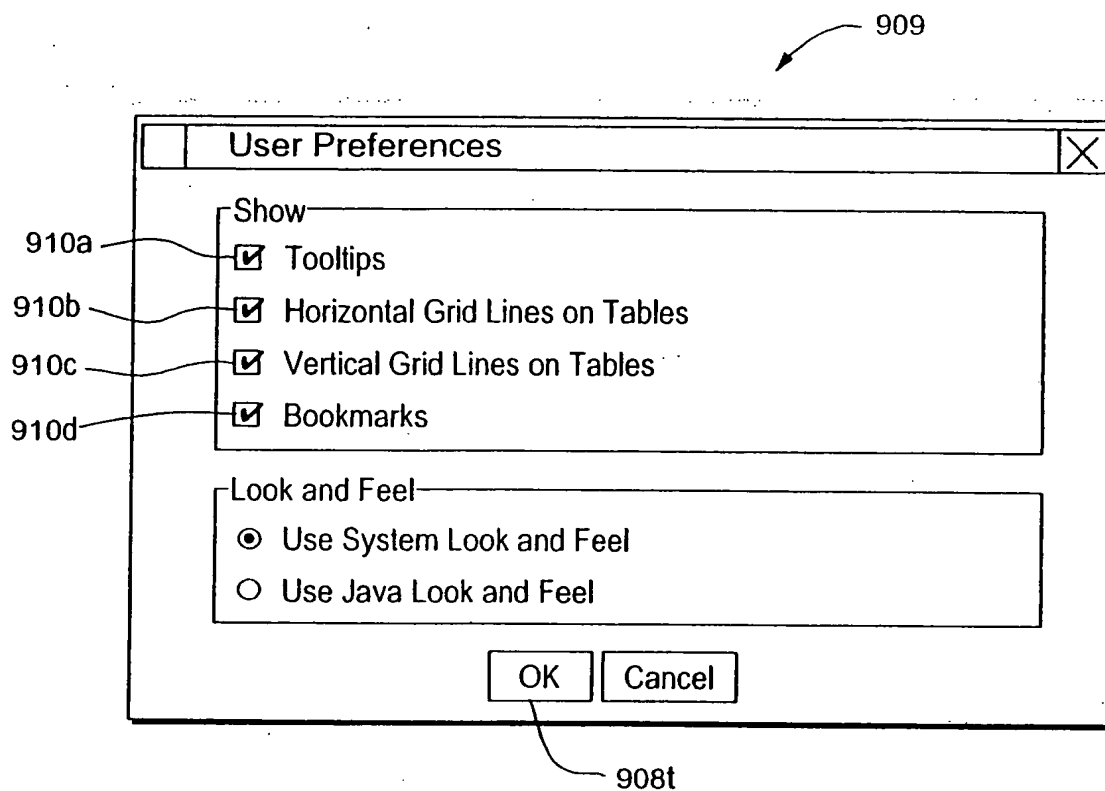


FIG. 11G

907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: ☒ 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Devices 908j

User Session Timeout: 908k
 Minutes

FIG. 11H

TO
FIG. 11H CONTINUED

FROM
FIG. 11H

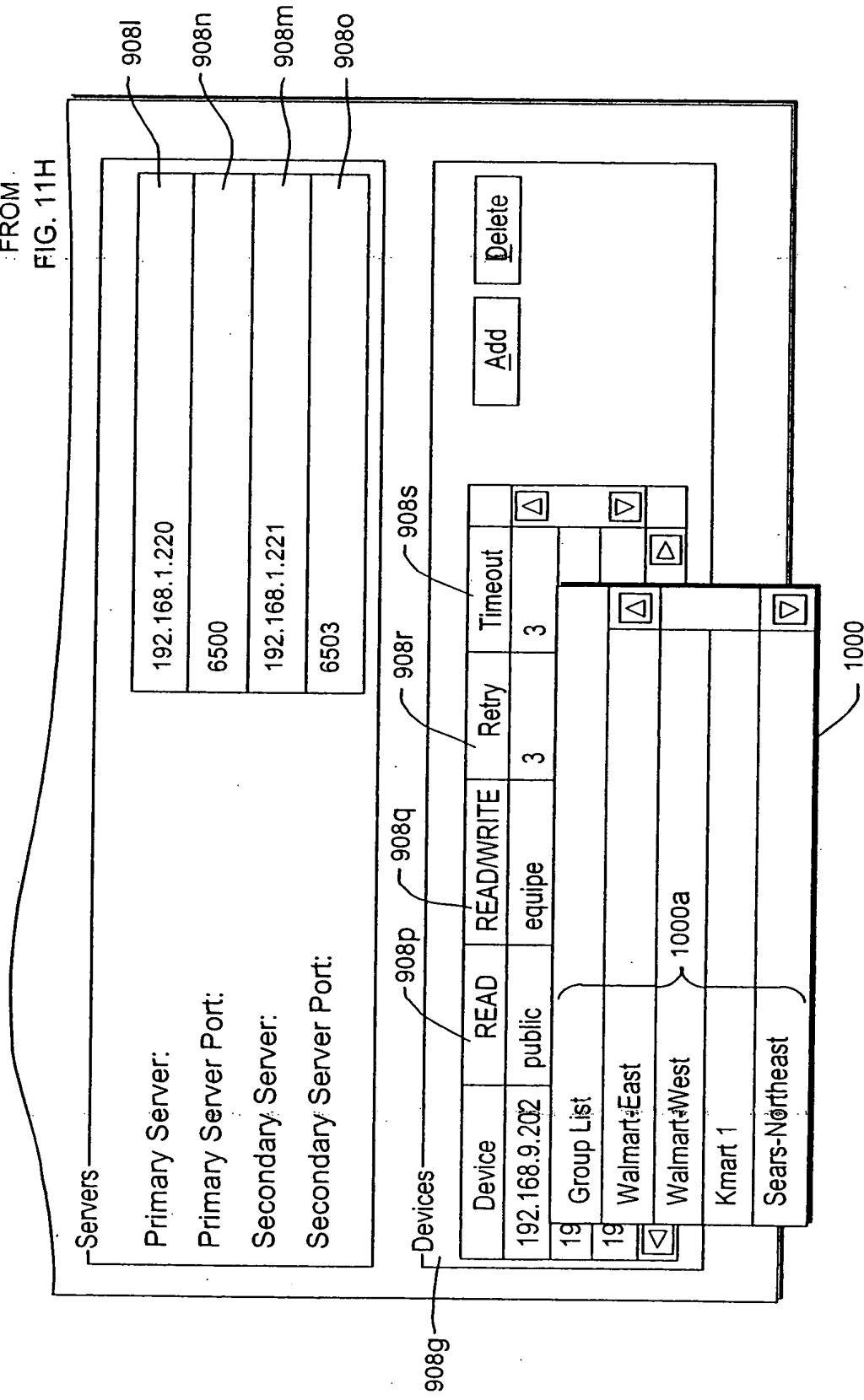


FIG. 11H CONTINUED

EvaiNet Manager: SONET Path Configuration - 11/8/5

System: 192.168.9.201

SONET Line

Slot

8

Port

5

Type

OC12

SONET Path Wizard

☒ Configure a single concatenated path (STS-12c)

☐ Configure

☐ Custom Configuration

4

STS-3c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/8/5	Path1_11/...	1	STS-12c	Termin.	ATM		

Modify

Graphical Representation

Position

1

Width

STS-12c

1002d

OK

Cancel

Group Name:

1002b

1002c

1002e

FIG. 11f

EvailNet Manager: SONET Path Configuration - 11/8/5

X

System: 192.168.9.201

SONET Line

Slot

8

Port

5

Type

OC12

Graphical Representation

Position

Width

1

STS-3c

4

STS-3c

7

STS-3c

10

STS-3c

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☒

Configure

4

STS-3c

paths

☐ Custom Configuration

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/8/5	Path1_11/8/5	1	STS-3c	Termin.	ATM		
11/8/5	Path2_11/8/5	4	STS-3c	Termin.	ATM		
11/8/5	Path3_11/8/5	7	STS-3c	Termin.	ATM		
11/8/5	Path4_11/8/5	10	STS-3c	Termin.	ATM		

1002e

Modify

Group Name:

1002b

1002c

1002d

OK

Cancel

FIG. 11J

EvaiNet Manager: SONET Path Configuration - 11/8/5

System: 192.168.9.201

SONET Line

Slot 8Port 5Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☐ Configure

☒ Custom Configuration

4

paths

4

STS-3C

Functions

Available SONET Paths

STS-3C

Add><Remove<<Clear

Allocated SONET Paths

STS-3CSTS-3CSTS-3STS-3

↑↓

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/8/5	Path1_11/8/5	1	STS-3c	Terminated	ATM		Δ
11/8/5	Path2_11/8/5	4	STS-3c	Terminated	ATM		
11/8/5	Path3_11/8/5	7		Terminated	ATM		▽

1002eModify

Graphical Representation

Position

Width

1

4

STS-3c

STS-3c

1002a

1002dOKCancel

Group Name

1002b1002c▽

FIG. 11K

MANAGED RESOURCE GROUP TABLE 1008

LID	MANAGED DEVICE PID	GROUP NAME
1145	1	WALMART-EAST
⋮	⋮	⋮

FIG. 11L

MANAGED RESOURCE TABLE 1007

LID	RESOURCE LID	MANAGE RESOURCE GROUP LID
4443	901	1145
⋮	⋮	⋮

FIG. 11M

Add V-ATM Interface - 192.168.9.201 [X]

Shelf/Slot/Port: 11/4/2 Path Name: Path2_11/4/2

Virtual ATM Interface Parameters

Name (Alias):	
Connection Type:	Direct Link [v]
Version:	UNI Network 3.1 [v]
Admin. Status:	Up [v]
Group Name:	[v]

[OK] [Cancel]

1004

1004a

1004b

1004c

FIG. 11N

1006

EvailNet Manager: 192.168.9.201-Virtual Connection Wizard

Source: 192.168.9.201Destination: 192.168.9.201

End Point 1

192.168.9.201

Shelf 11

Slot 1

Slot 2

Slot 3

Slot 4

Port 1

Port 2

ATM-Path2_11/4/2

End Point 1

192.168.9.201

Shelf 11

Shelf 13

Connection Parameters

Connection Name:

Admin Status:Up1006b

Group Name:Group List

End Point 1 Parameters:

VPI:

VCI:

Transmit Traffic Descriptor:

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive

☐ Use Any VPI Value

☐ Use Any VCI Value

Add Traffic Descriptor...

End Point 2 Parameters:

VPI:

VCI:

Transmit Traffic Descriptor:

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive

☐ Use Any VPI Value

☐ Use Any VCI Value

Add Traffic Descriptors...

<Back

Finish1006c

Cancel

FIG. 110

USER TABLE 1010

1010a	1010b		1010c	1010d	1010e
	LID	USERNAME	PASSWORD	GROUP LEVEL ACCESS	
	2012	DAVE	MARBLE	PROVISIONER	
	⋮	⋮	⋮		

FIG. 11P

USER MANAGED DEVICE TABLE 1012

1012a	1012b		1012c	1012d	1012e
	LID	USER LID	HOST LID	RETRY	TIMEOUT
	7892	2012	9046		
	⋮	⋮	⋮	⋮	⋮

FIG. 11Q

ADMINISTRATION MANAGED DEVICE TABLE 1014

LID	HOST ADDRESS	PORT ADDRESS	RETRY	TIMEOUT	ADMIN. PASSWORD	PROV. PASSWORD	VIEWER PASSWORD
9046	192.168.9.202	1521			TEAM 1	TEAM 2	TEAM 3
.
.
.

FIG. 11R

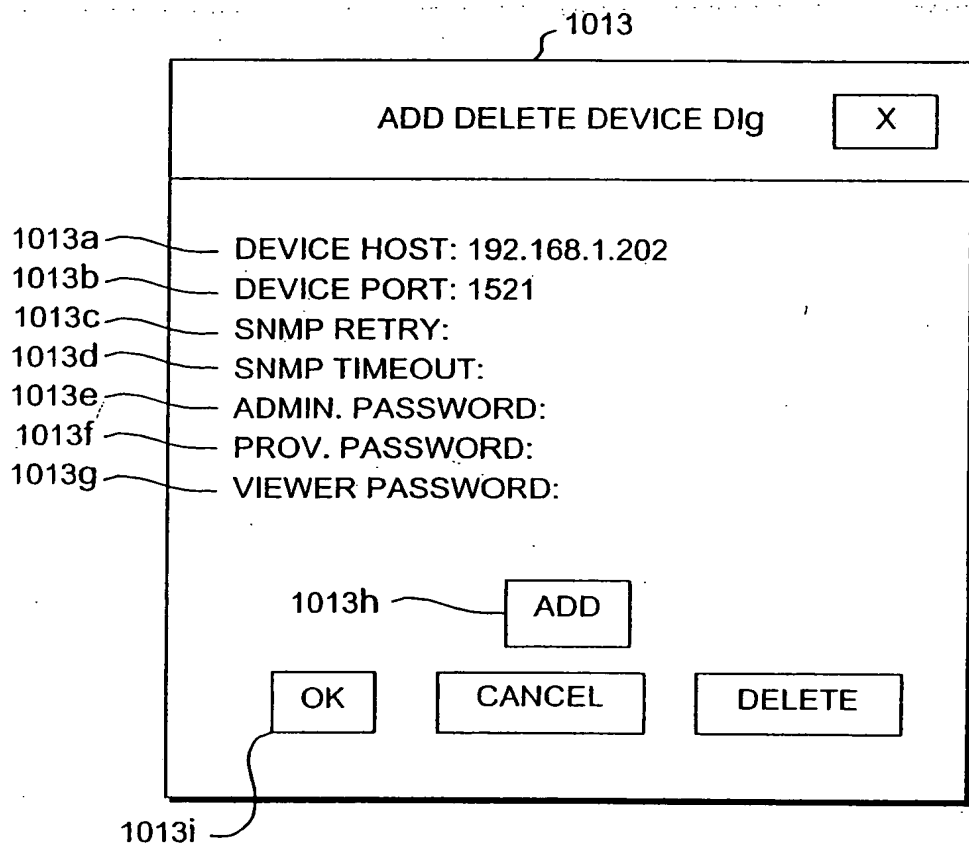


FIG. 11S

USER RESOURCE GROUP MAP TABLE 1016

LID	USER LID	USER RESOURCE GROUP LID
8086	2012	1024
⋮	⋮	⋮

FIG. 11T

USER RESOURCE GROUP TABLE 1018

LID	HOST LID	GROUP NAME
1024	9046	WALMART-EAST
⋮	⋮	⋮

FIG. 11U

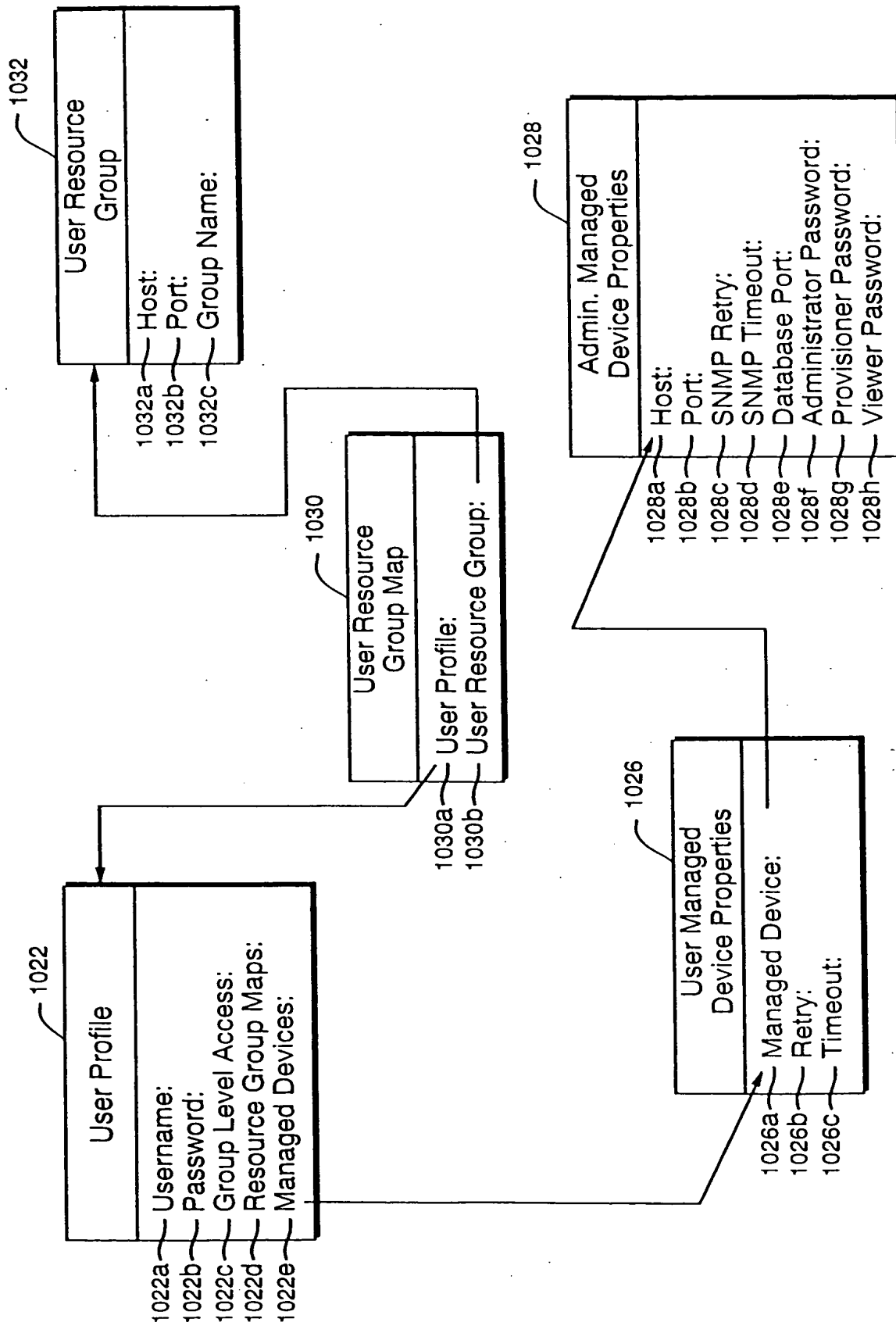


FIG. 11V

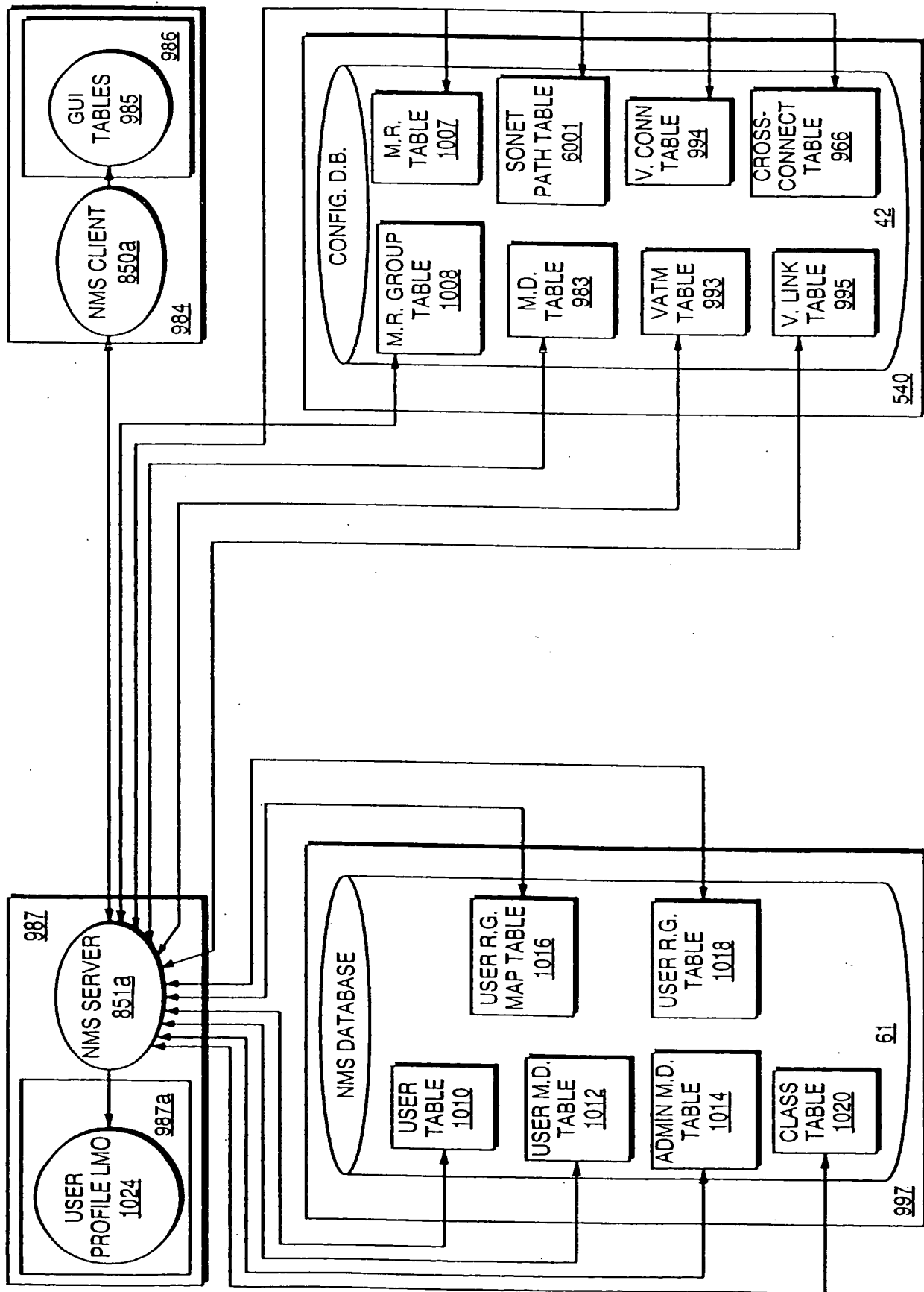


FIG. 11W

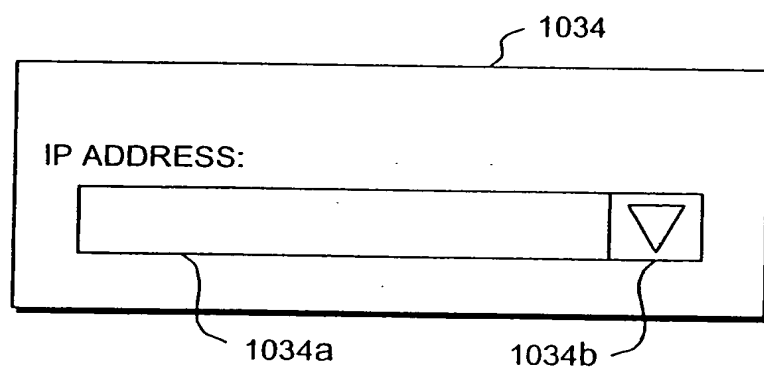


FIG. 11X

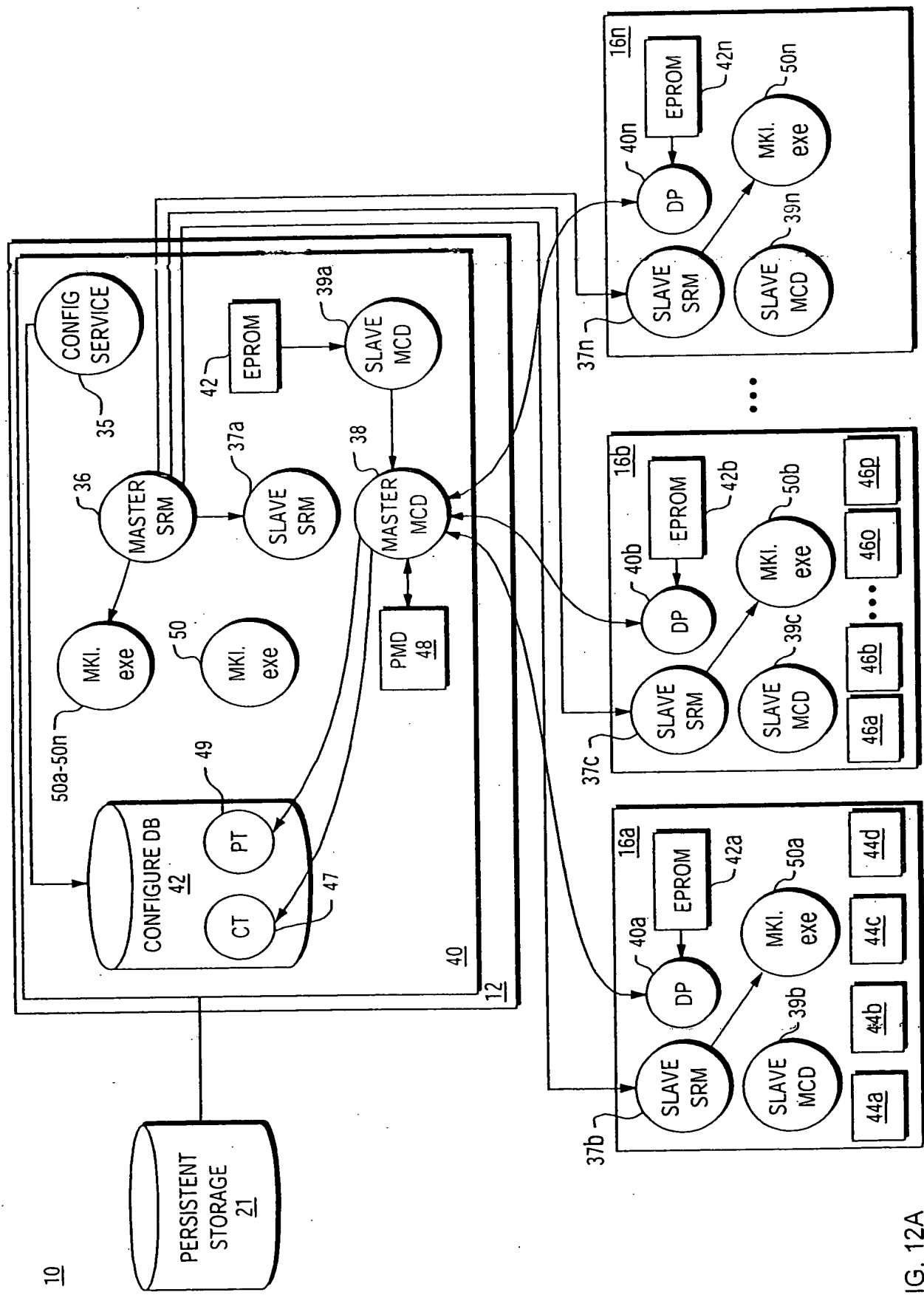


FIG. 12A

CARD TABLE 47

	PID	CWD TYPE	VERSION NO.	SLOT NO.	...
16a	500	0XF002	3	1	
16b	501	0XF002	4	2	
	⋮	⋮	⋮	⋮	⋮
16e	505	0X6002	1	5	
	⋮	⋮	⋮	⋮	⋮
16n	513	0XF002	1	12	
	⋮	⋮	⋮	⋮	⋮

FIG. 12B

PORT TABLE 49

	PID	PORT TYPE	VERSION NO.	SLOT NO.	...
44a	1500	00620	1	1	
44b	1501	00620	1	1	
44c	1502	00620	1	1	
44d	1503	00620	1	1	
44a	1504	00820			
46a	⋮	⋮	⋮	⋮	⋮
	1600	00620	1	8	
	⋮	⋮	⋮	⋮	⋮

FIG. 12C

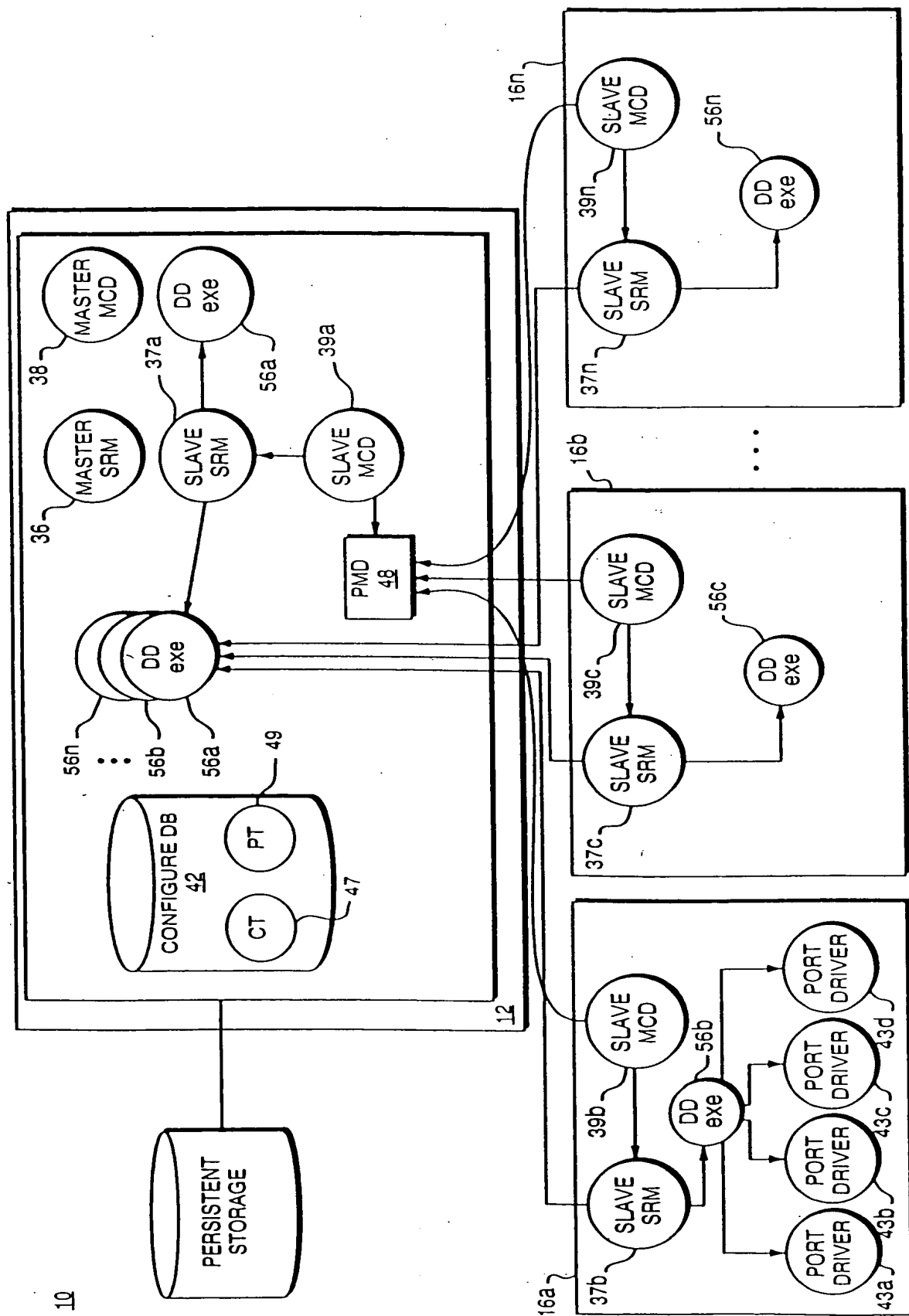


FIG. 13A

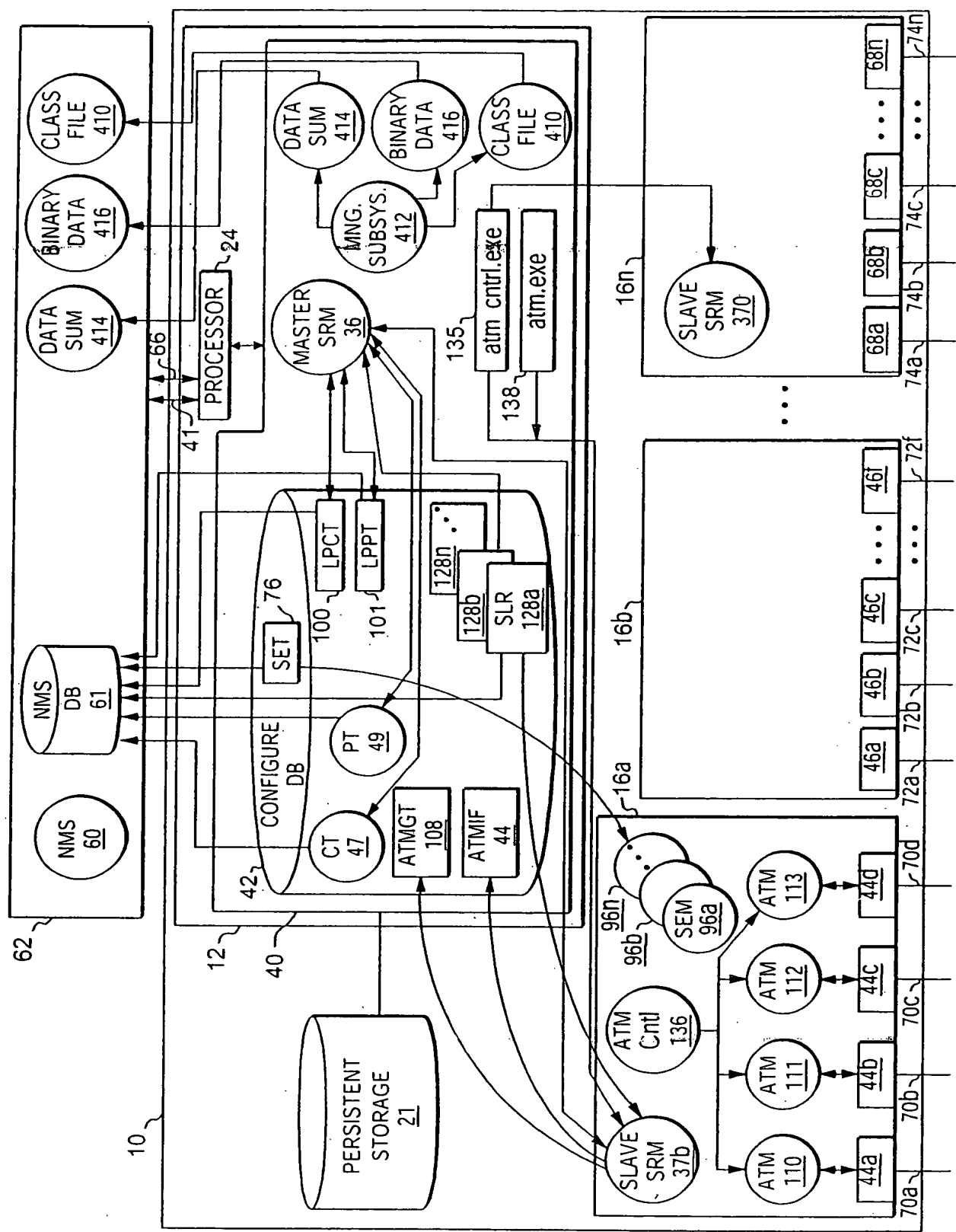


FIG. 13B

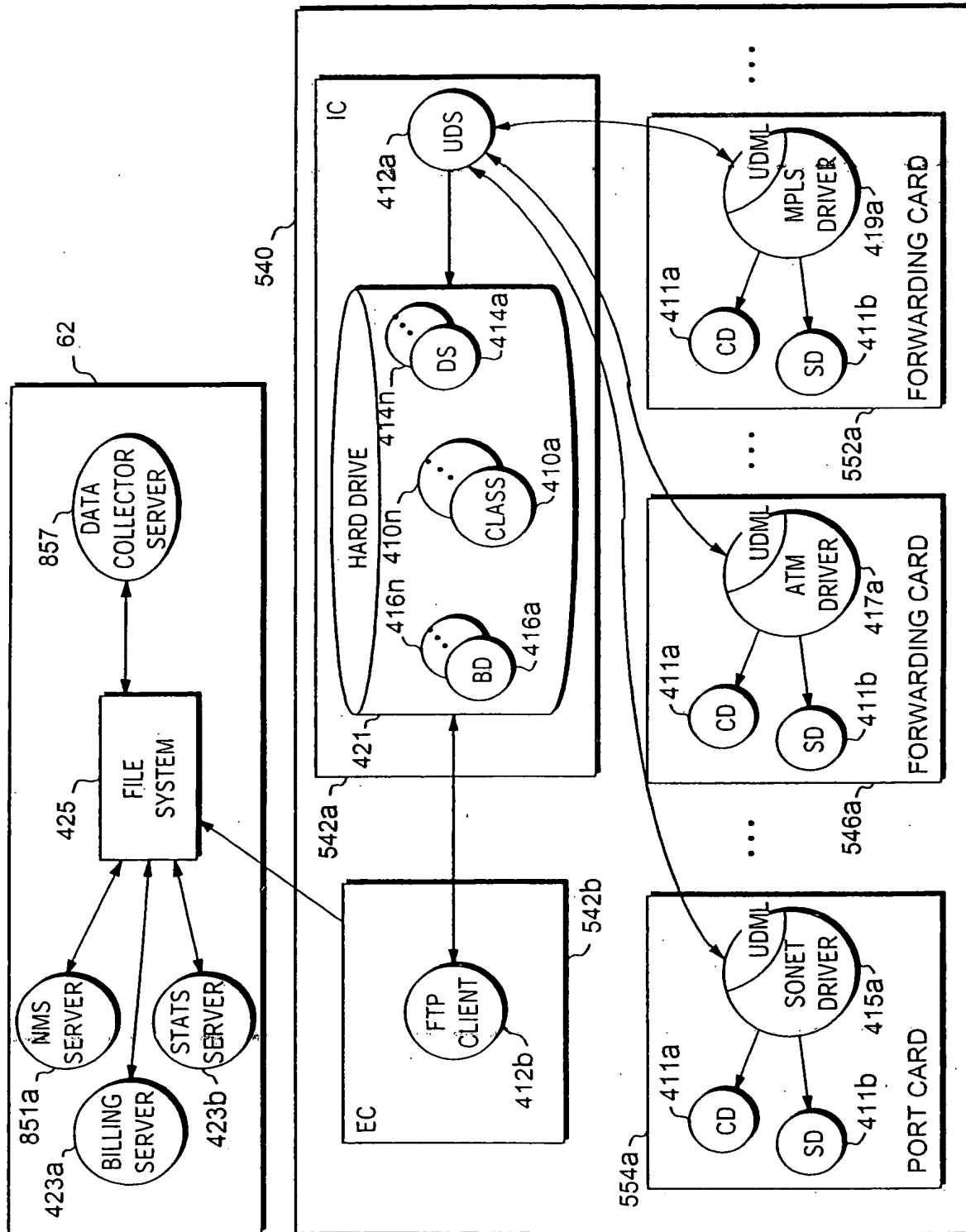


FIG. 13C

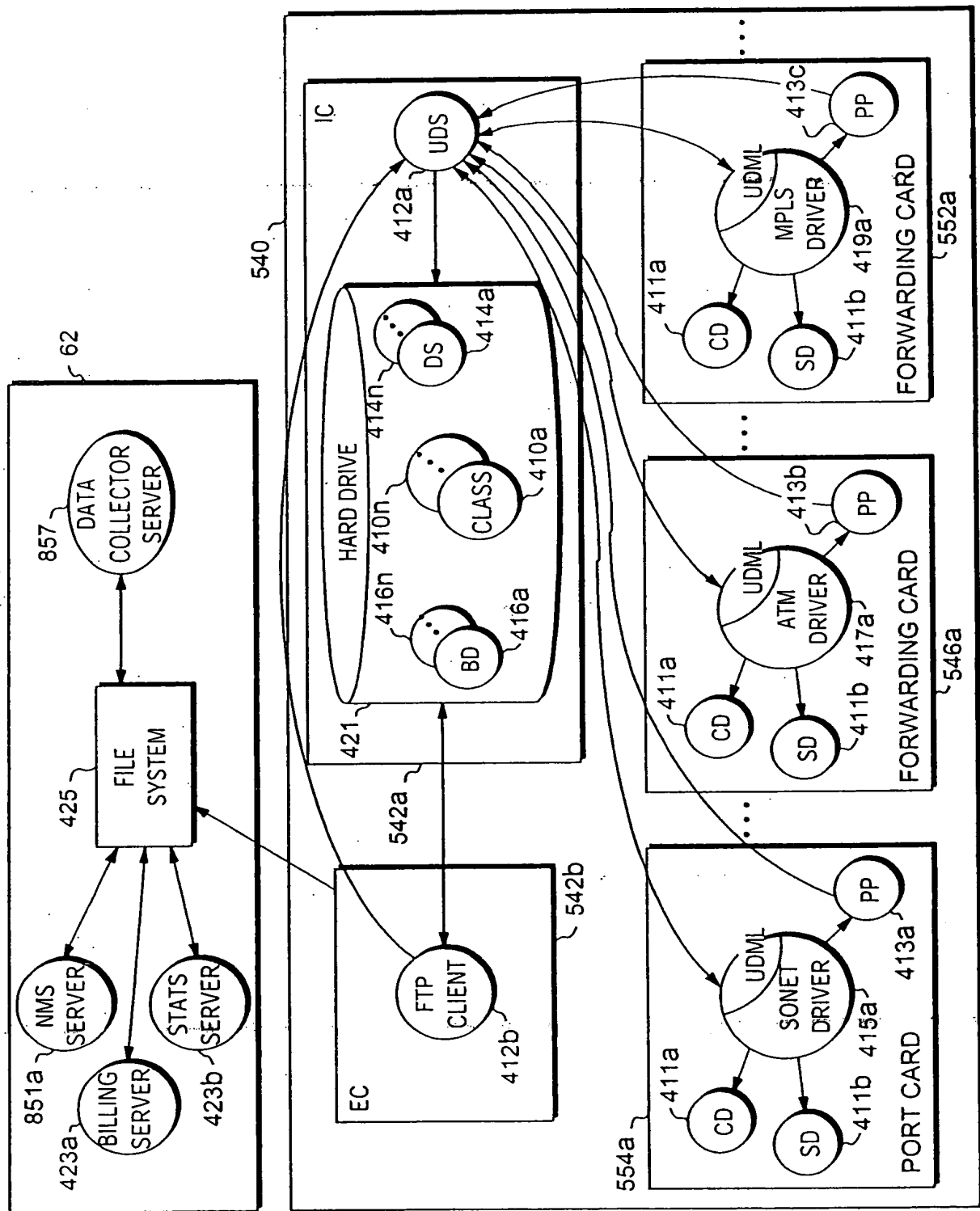


FIG. 13D

SERVICE ENDPOINT TABLE 76

	SERVICE ENDPOINT #	PORT PID
78	1	1500
80	2	1501
82	3	1501
84	4	1501
86	5	1502
88	6	1502
90	7	1503
92	8	1503
94	9	1503
168	10	1502
	⋮	⋮
	⋮	⋮
	⋮	⋮

FIG. 14A

LOGICAL TO PHYSICAL CARD TABLE 100

	98 LID	102 PRIMARY PID	104 BACK-UP PID
106	30	500	513
109	31	501	513
	⋮	⋮	⋮
	⋮	⋮	⋮
	⋮	⋮	⋮

FIG. 14B

LOGICAL TO PHYSICAL PORT TABLE 101

	98 LID	102 PRIMARY PID	104 BACK-UP PID
107	40	1500	1600
	⋮	⋮	⋮
	⋮	⋮	⋮
	⋮	⋮	⋮

FIG. 14C

ATM GROUP TABLE 108

GROUP #	CARD LID	...
1	30	
2	30	
3	30	
4	30	

FIG. 14D

ATM INTERFACE TABLE 114

ATM IF	ATM GROUP	SE	...
1	1	1	
2	1	1	
3	1	1	
4	2	2	
5	2	3	
6	2	4	
⋮	⋮	⋮	⋮
12	3	10	
⋮	⋮	⋮	⋮

FIG. 14E

SOFTWARE LOAD RECORD 128a

130	CONTROL SHIM	LID	132
134	atm-cntl.exe	30	

FIG. 14F

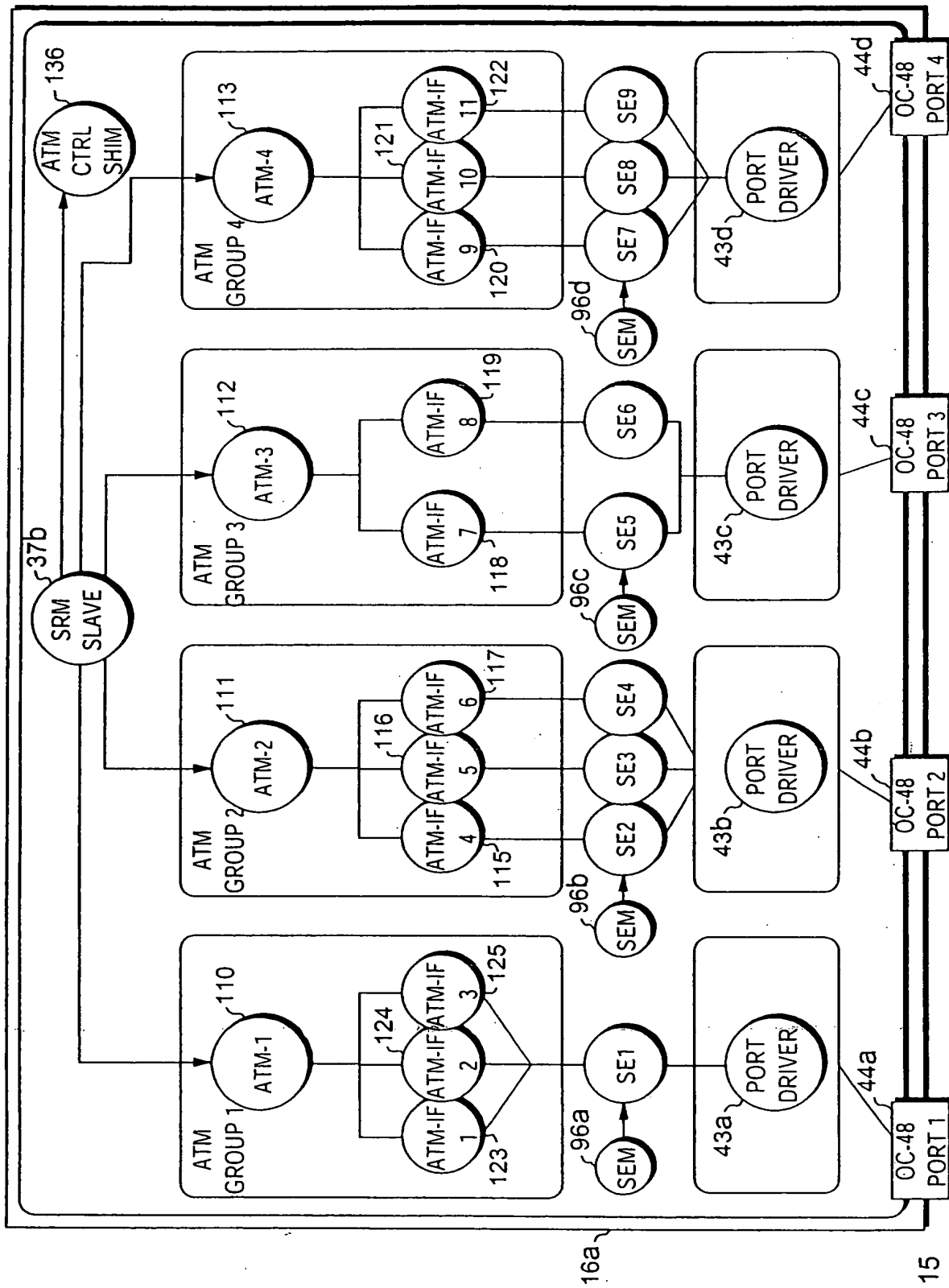


FIG. 15

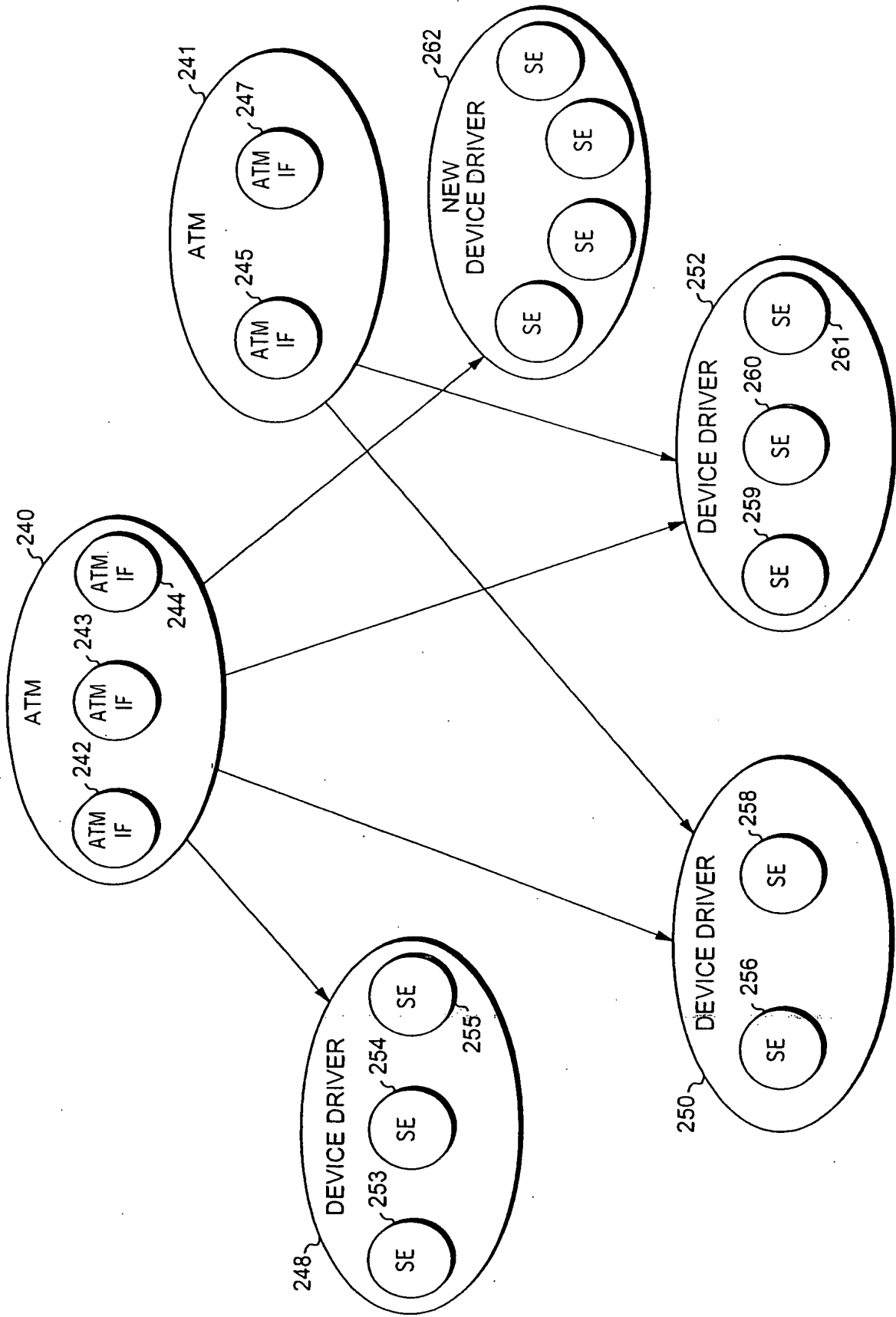


FIG. 16A

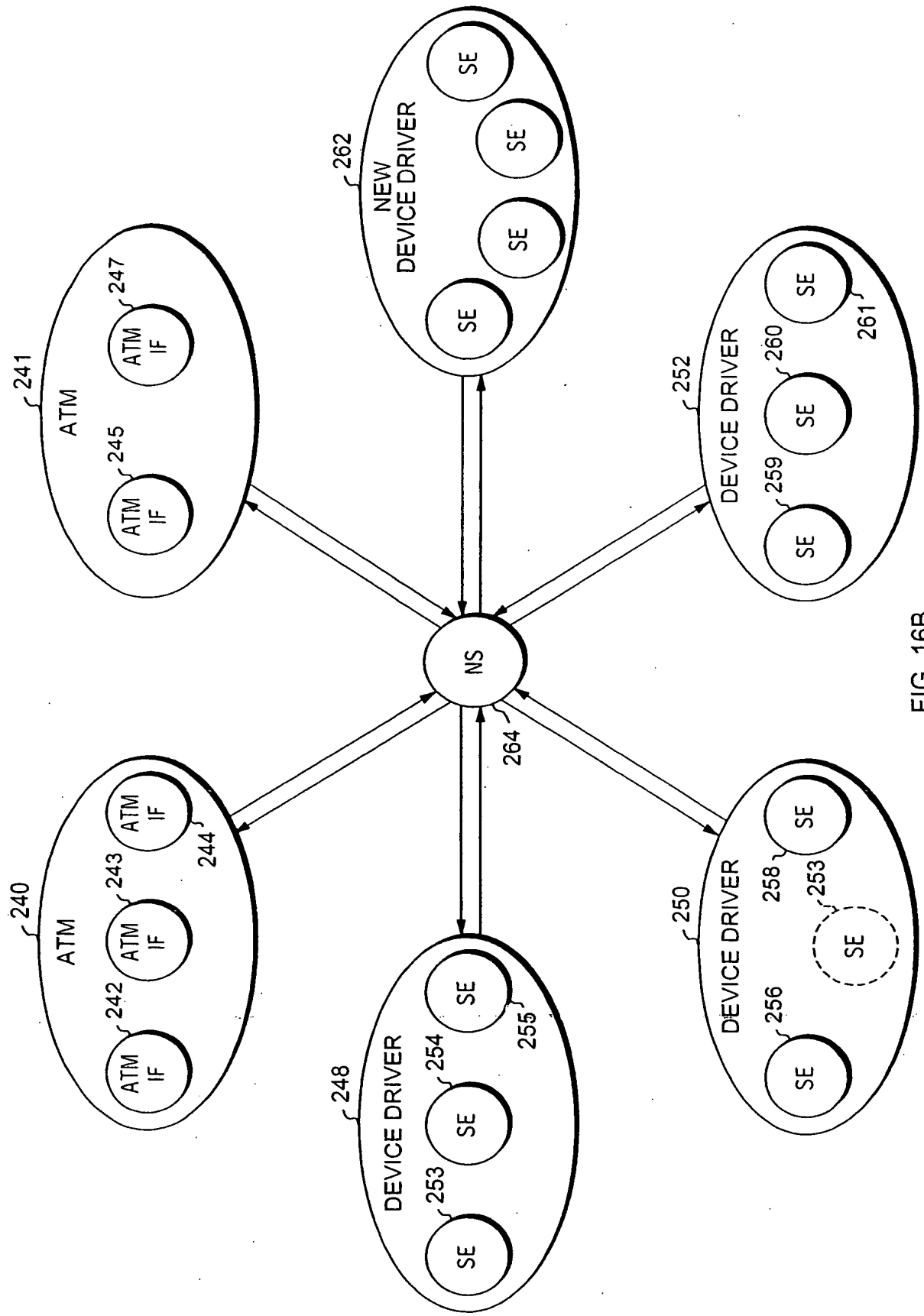


FIG. 16B

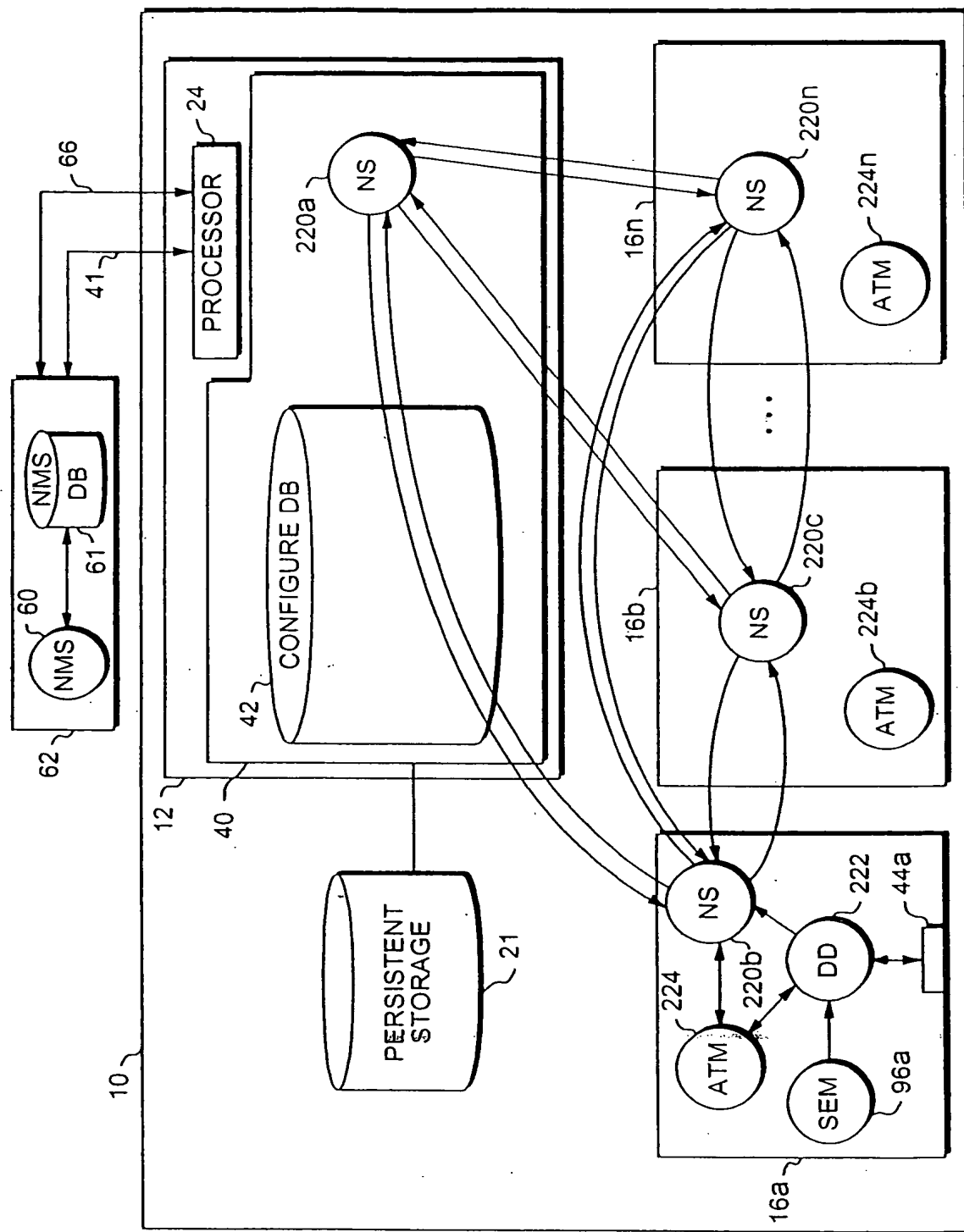


FIG. 16C

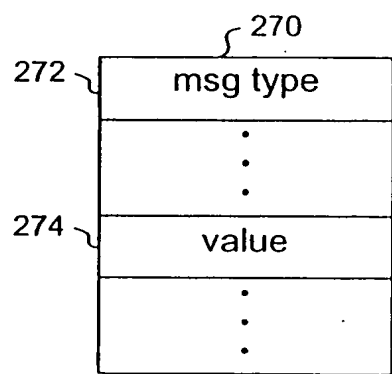


FIG. 16D

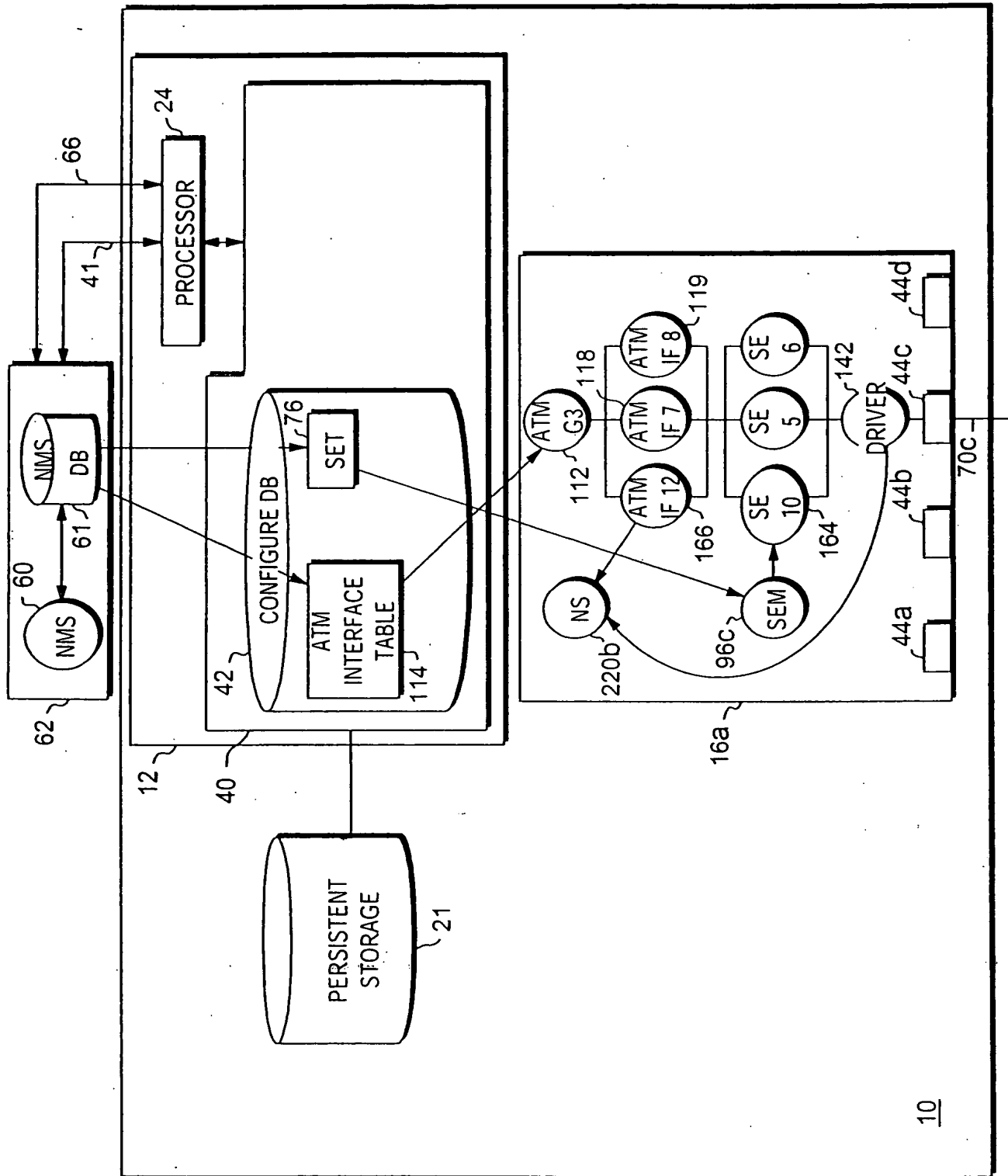


FIG. 17

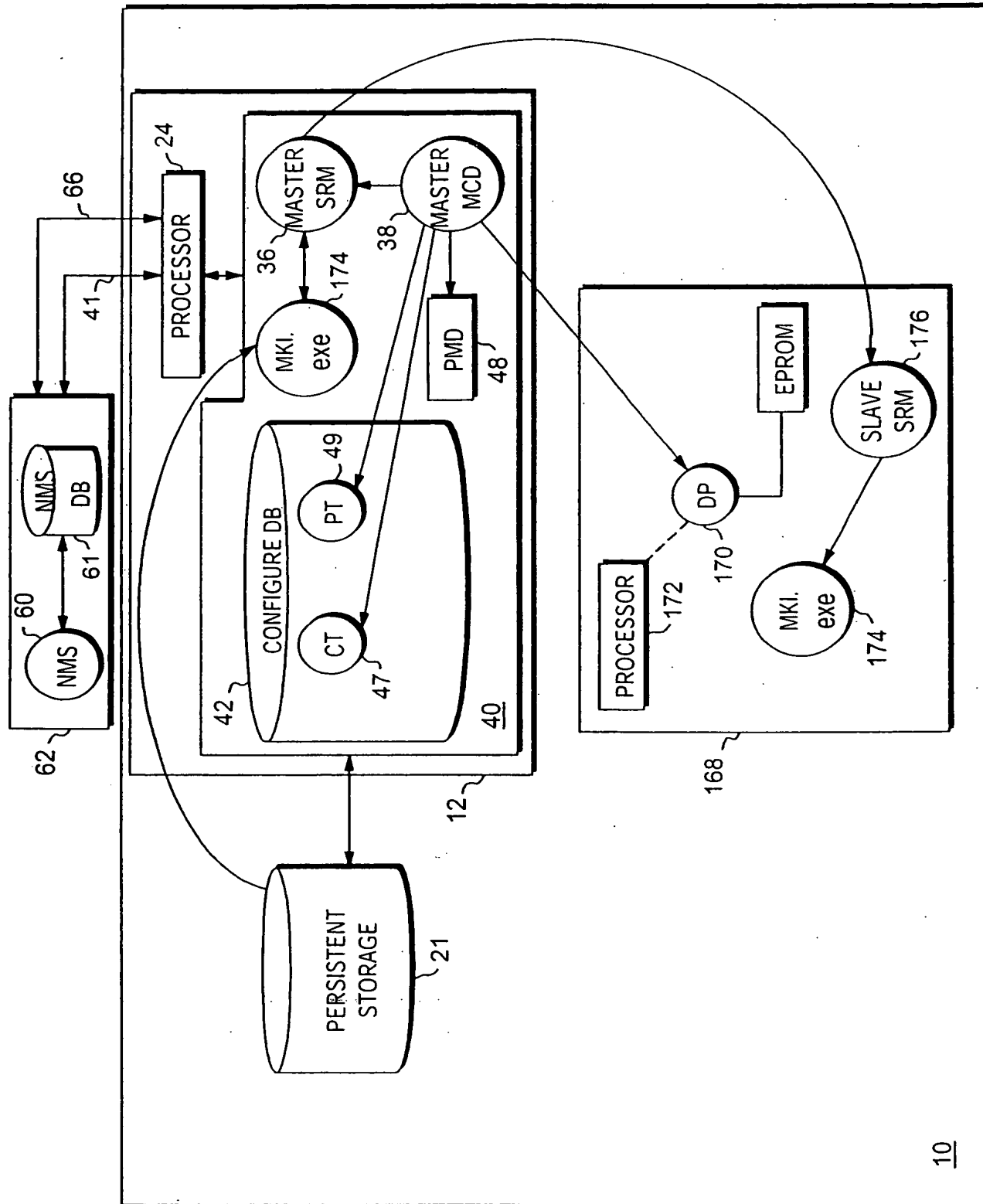


FIG. 18

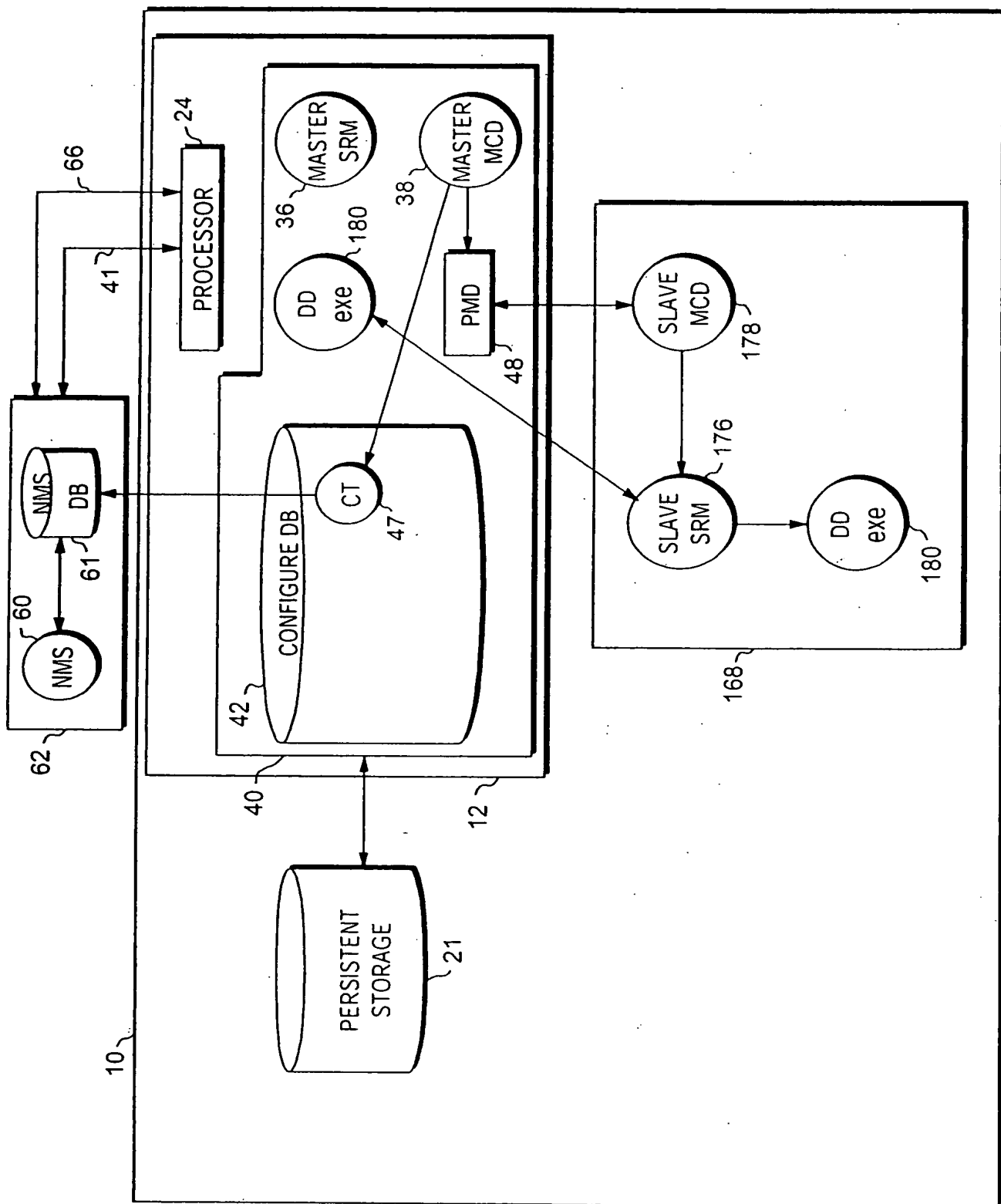


FIG. 19

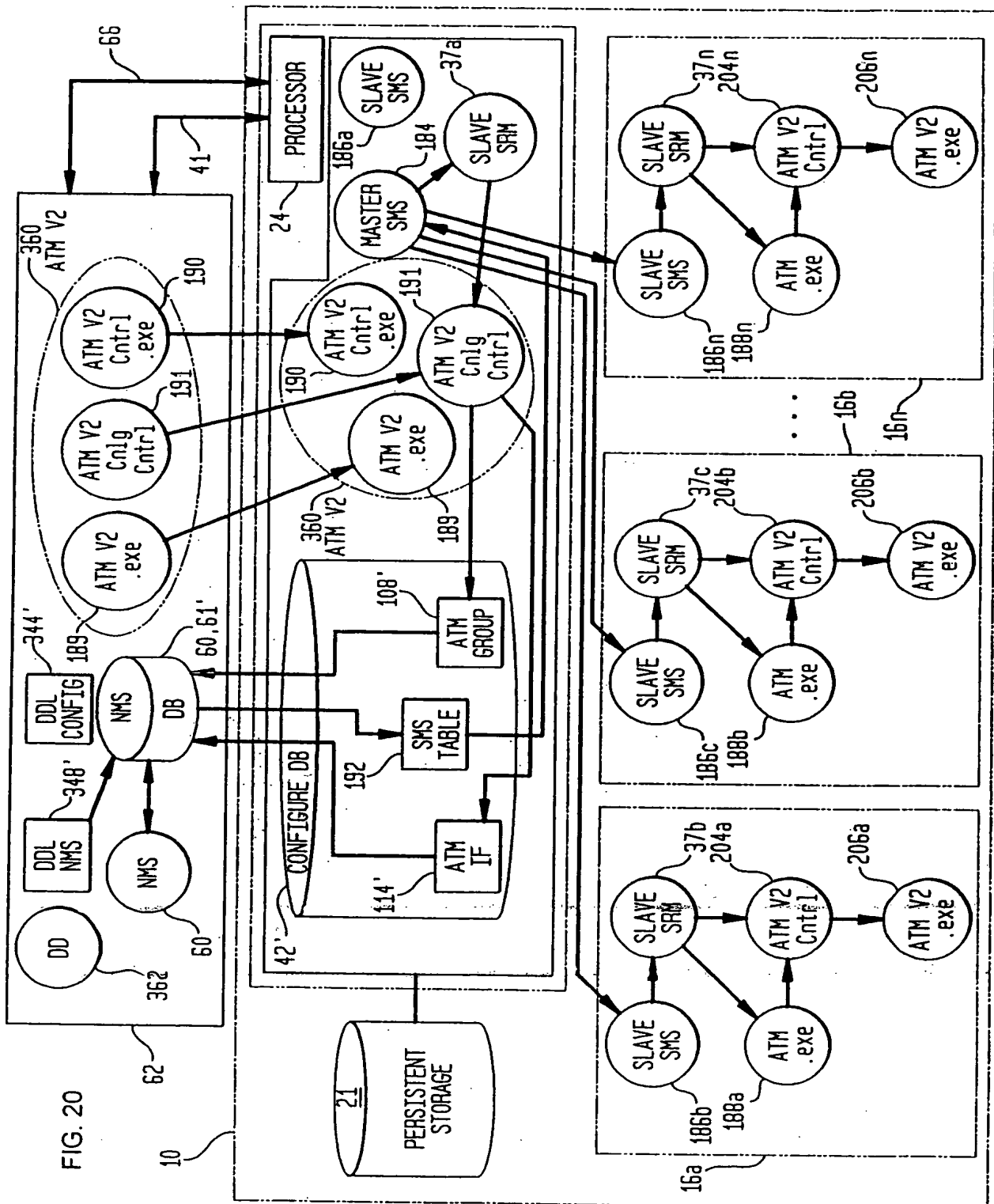


FIG. 21

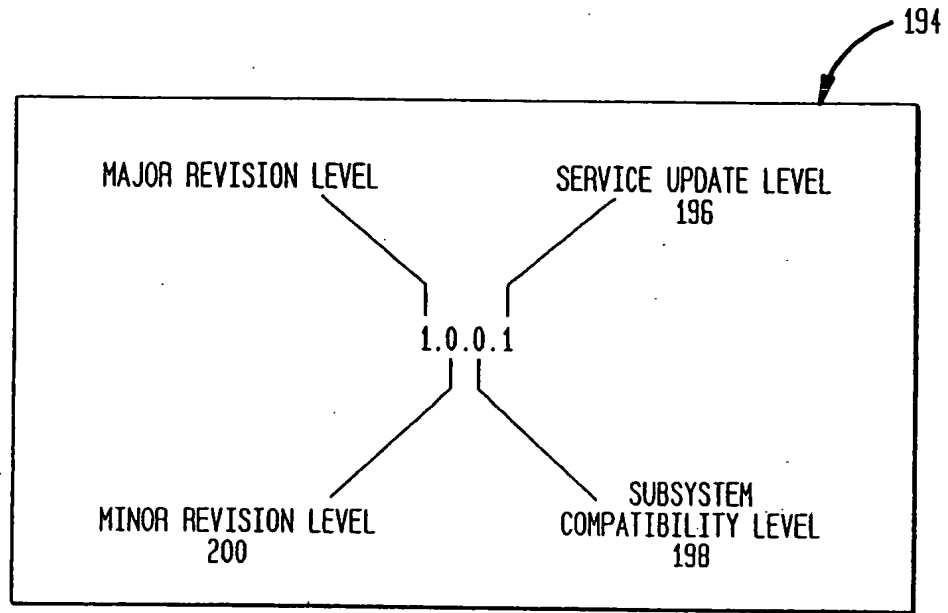


FIG. 22

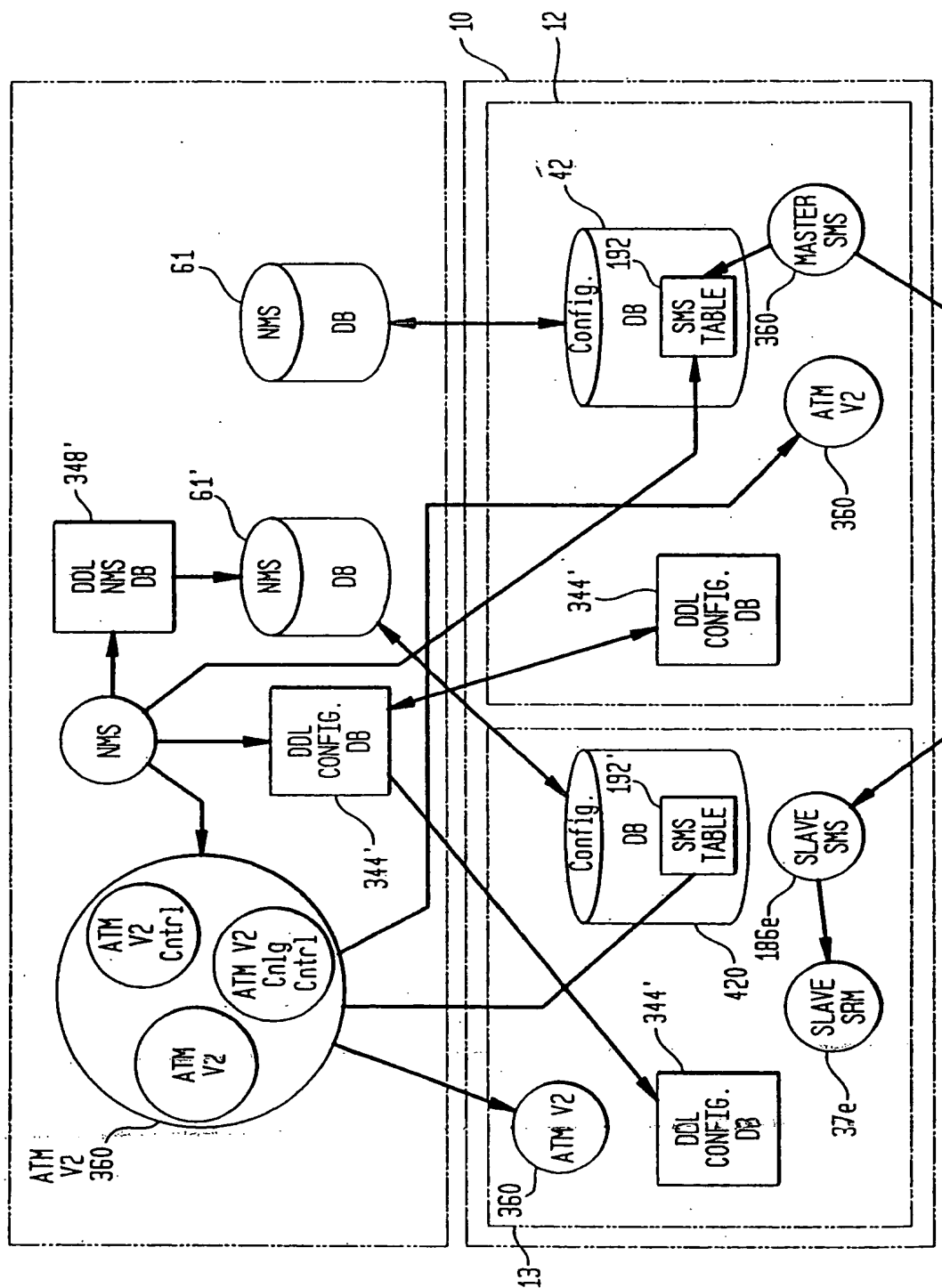
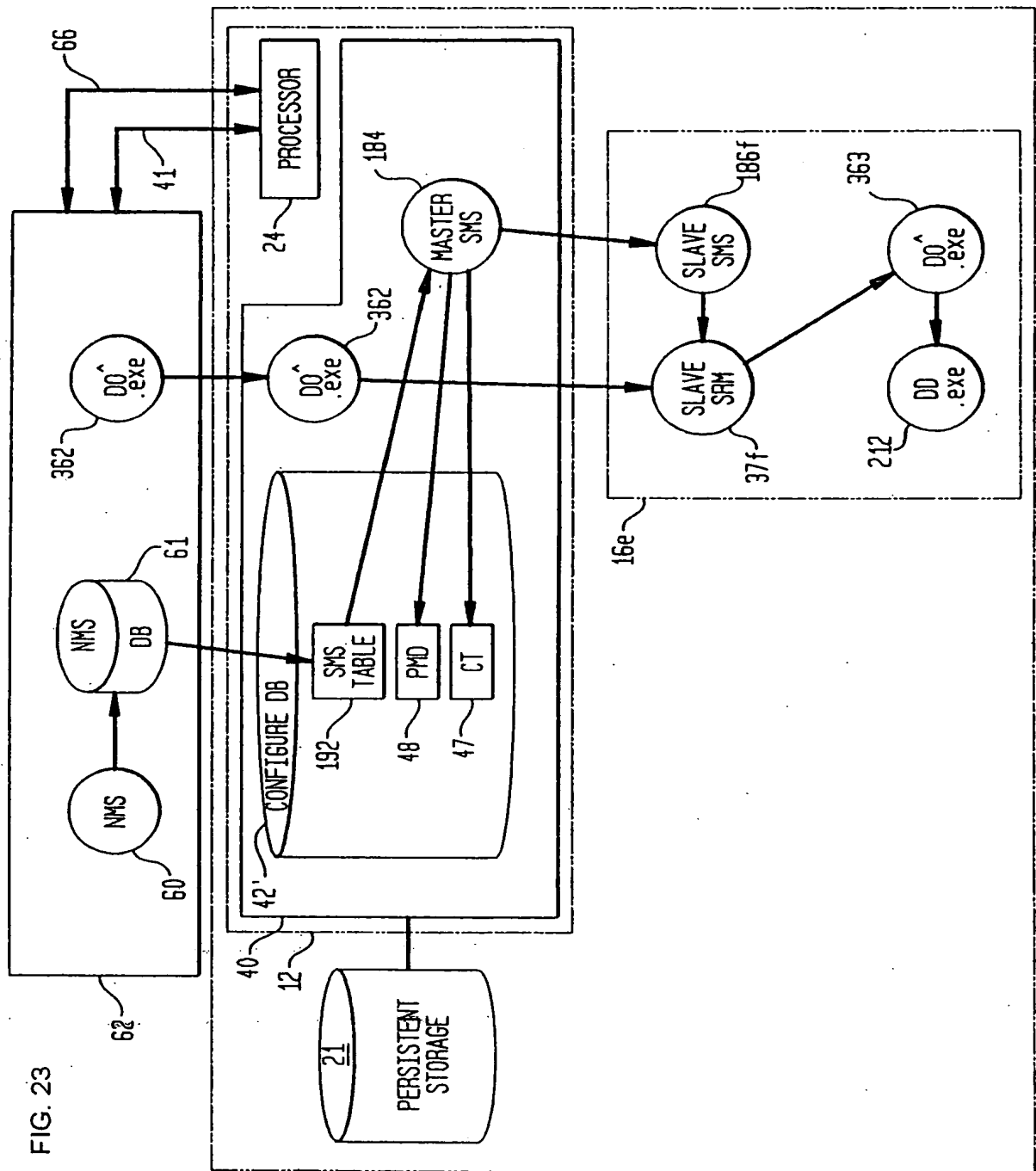


FIG. 23



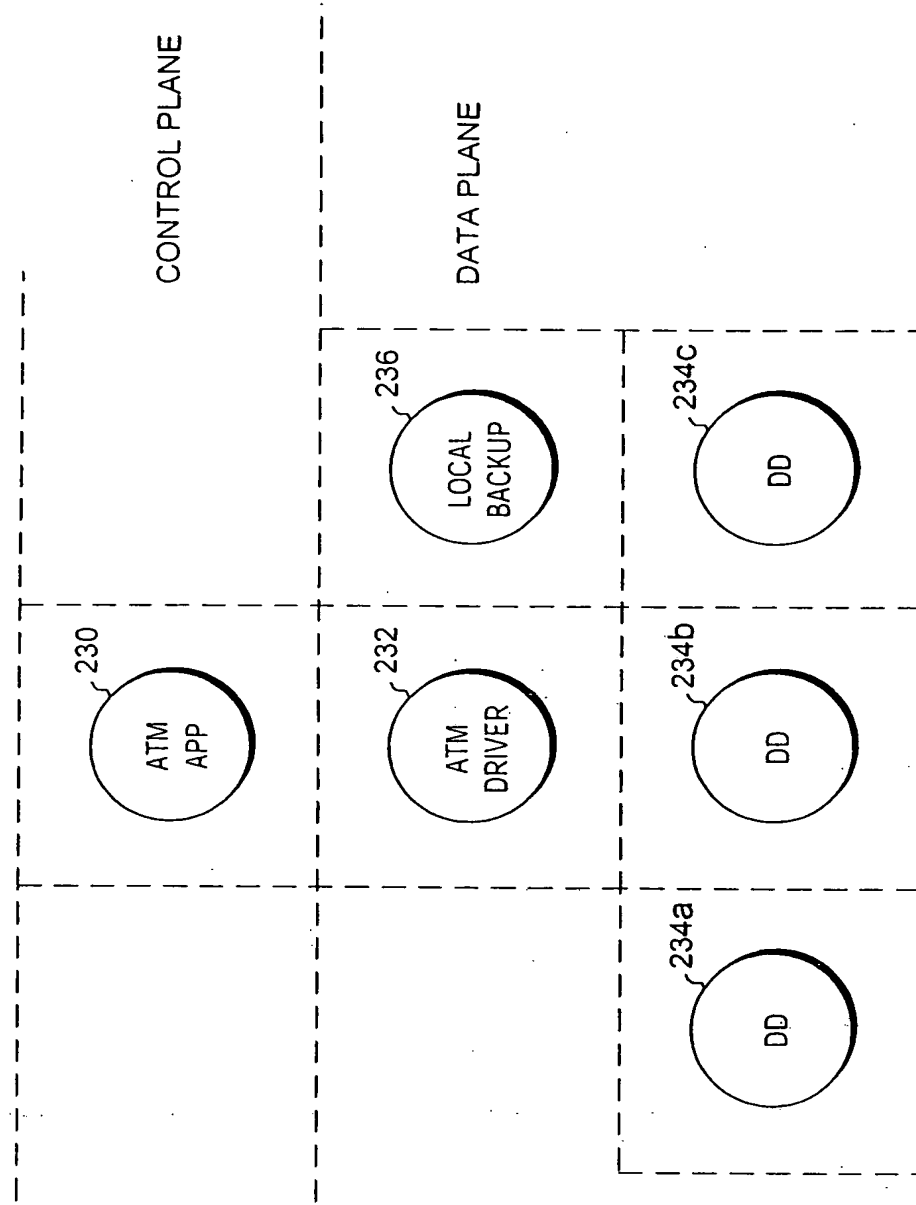


FIG. 24

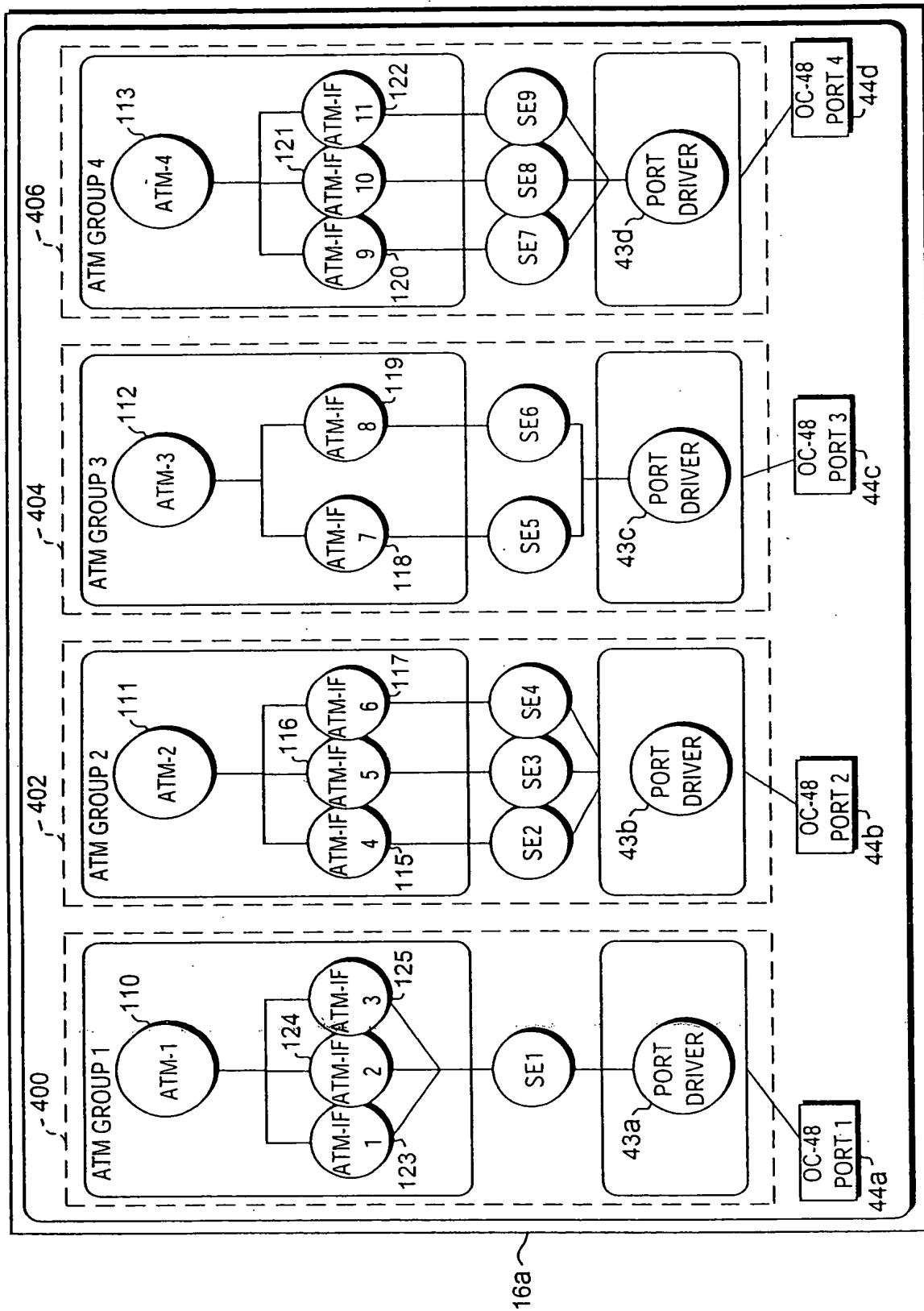


FIG. 25

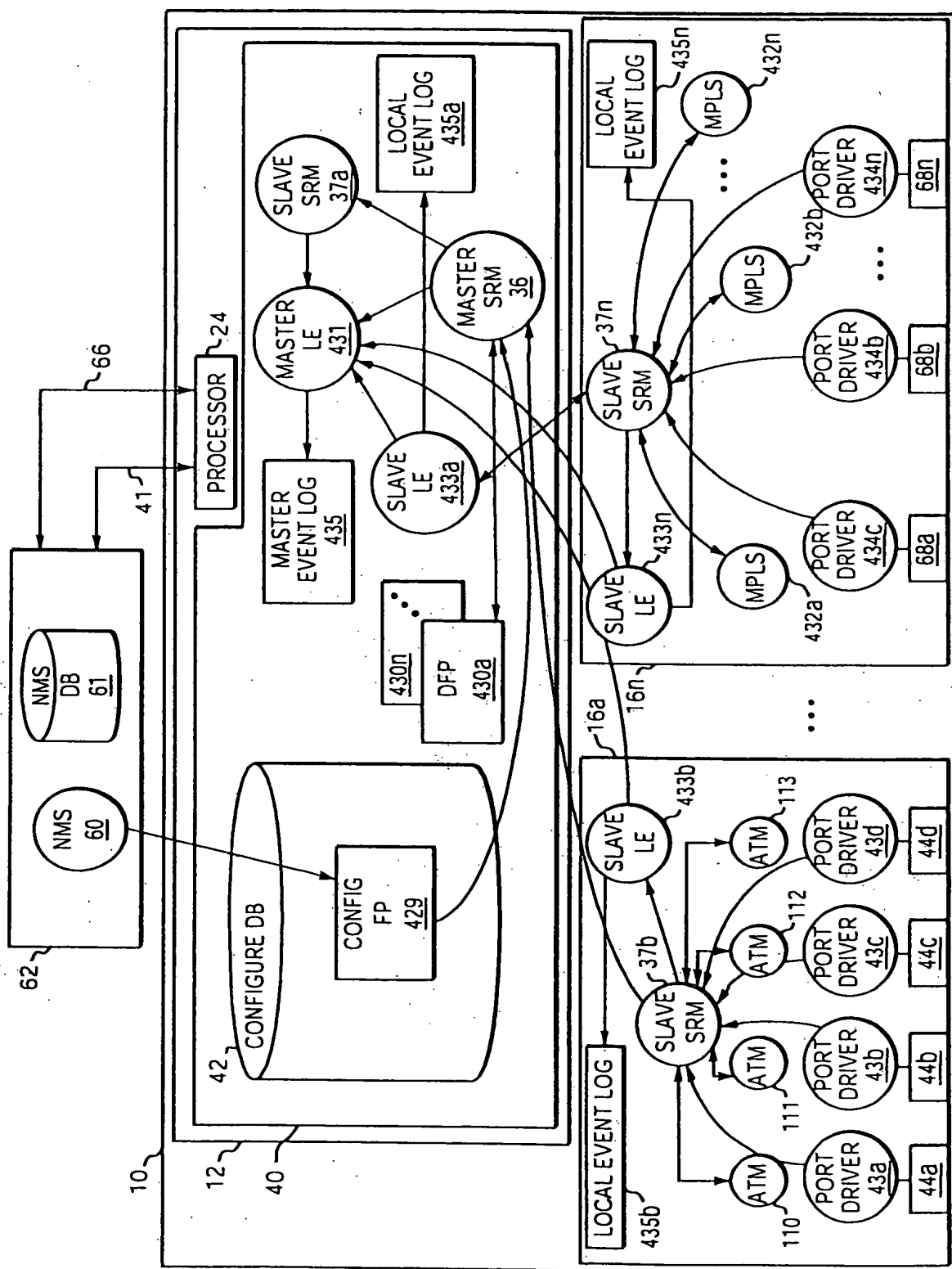


FIG. 26

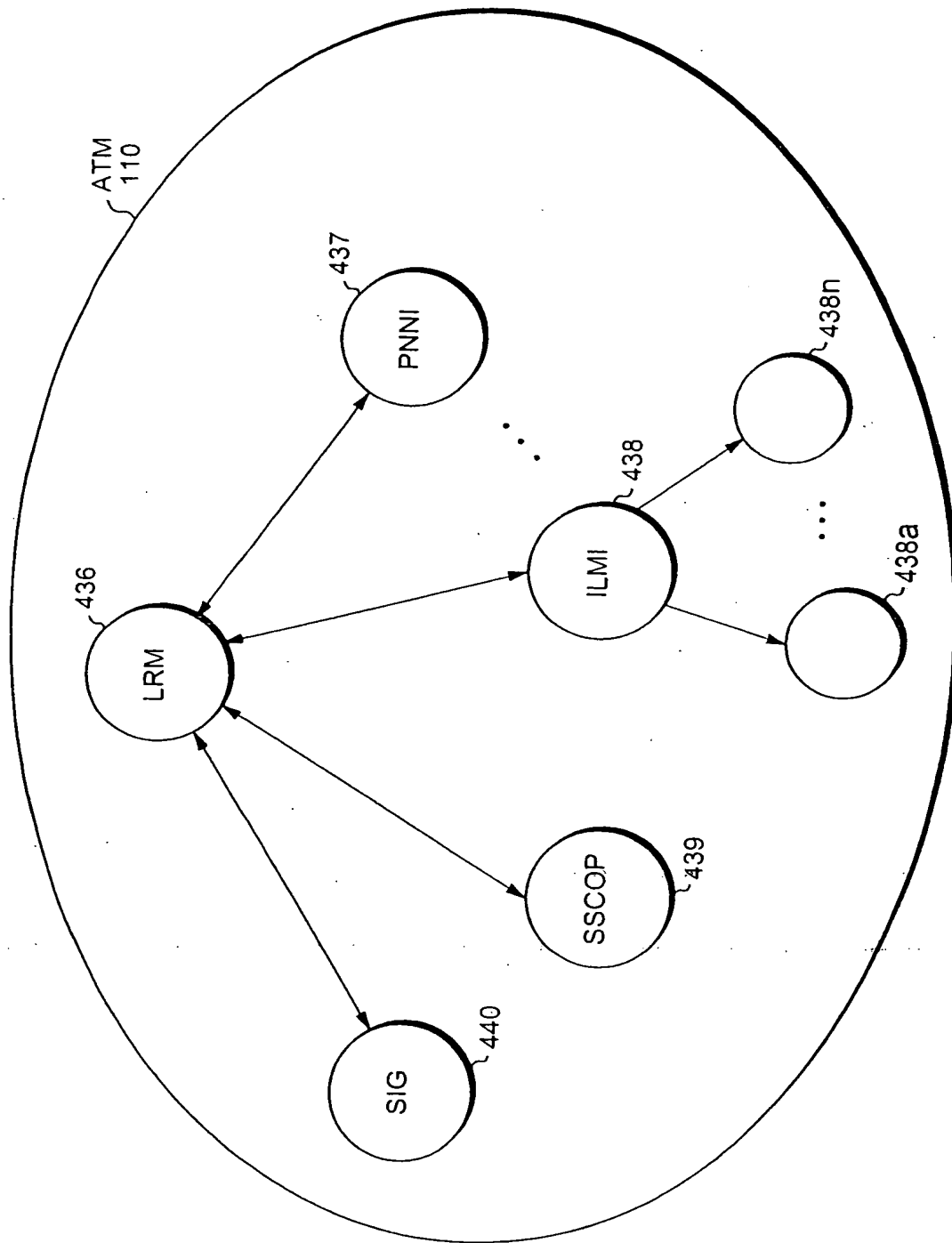


FIG. 27

441

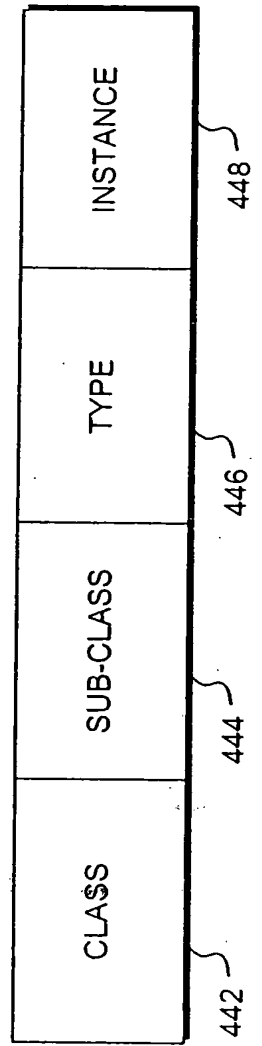


FIG. 28

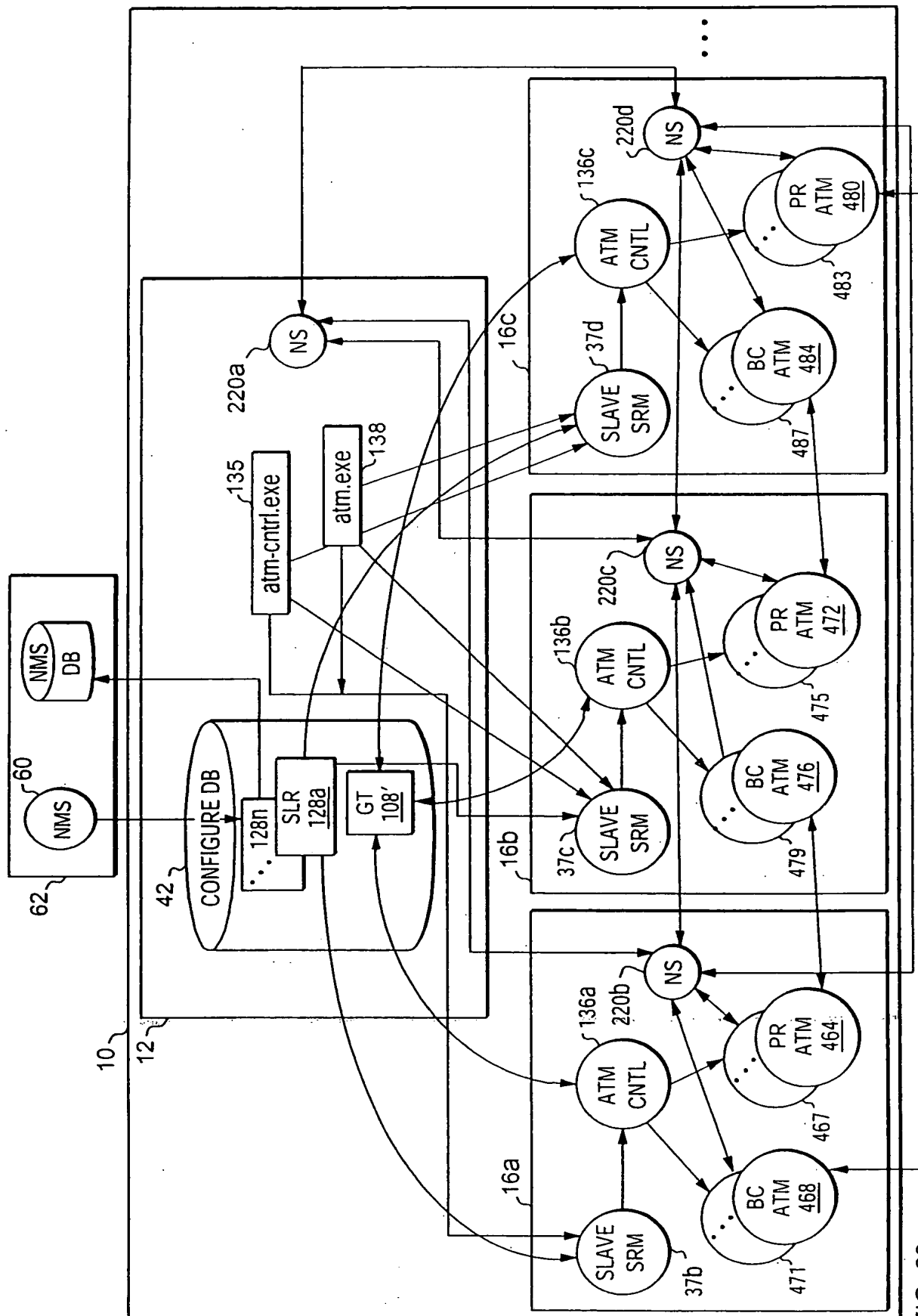


FIG. 29

GROUP TABLE 108'

		447	449	
	GROUP #	PRIMARY CARD LID	BACKUP CARD LID	...
450	1	30	31	
451	2	30	31	
452	3	30	31	
453	4	30	31	
454	5	31	32	
455	6	31	32	
456	7	31	32	
457	8	31	32	
458	9	32	30	
459	10	32	30	
460	11	32	30	
461	12	32	30	

FIG. 30

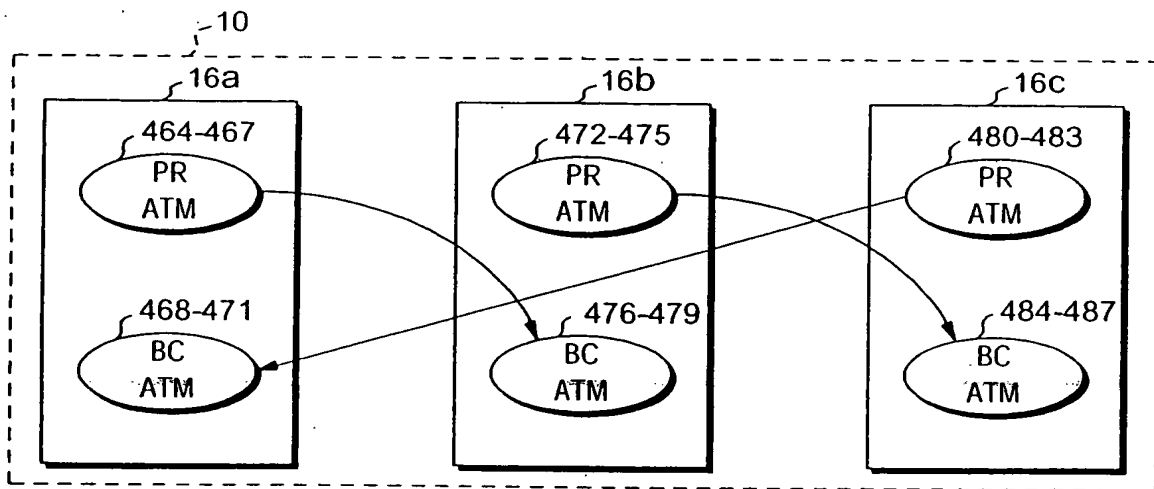


FIG. 31A

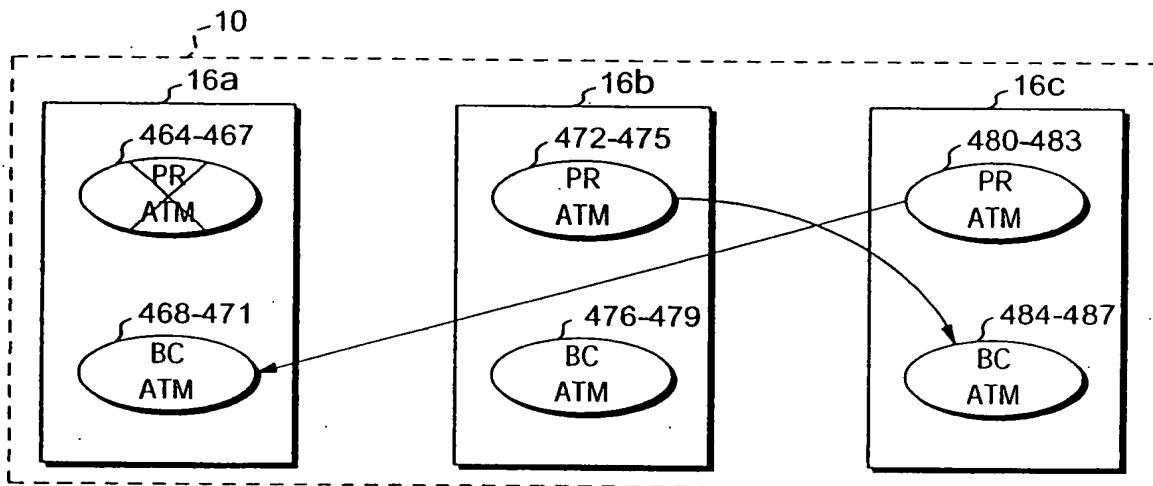


FIG. 31B

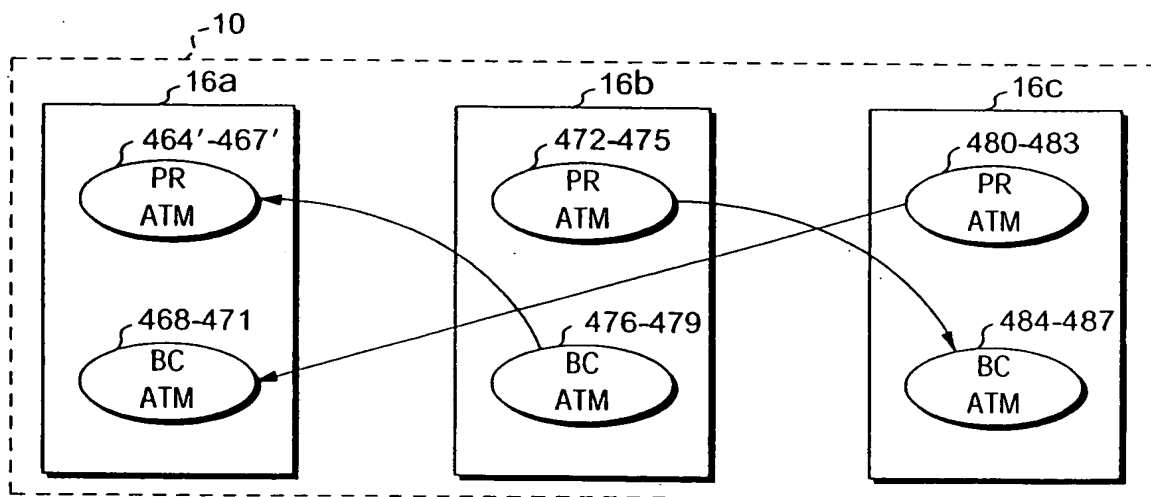


FIG. 31C

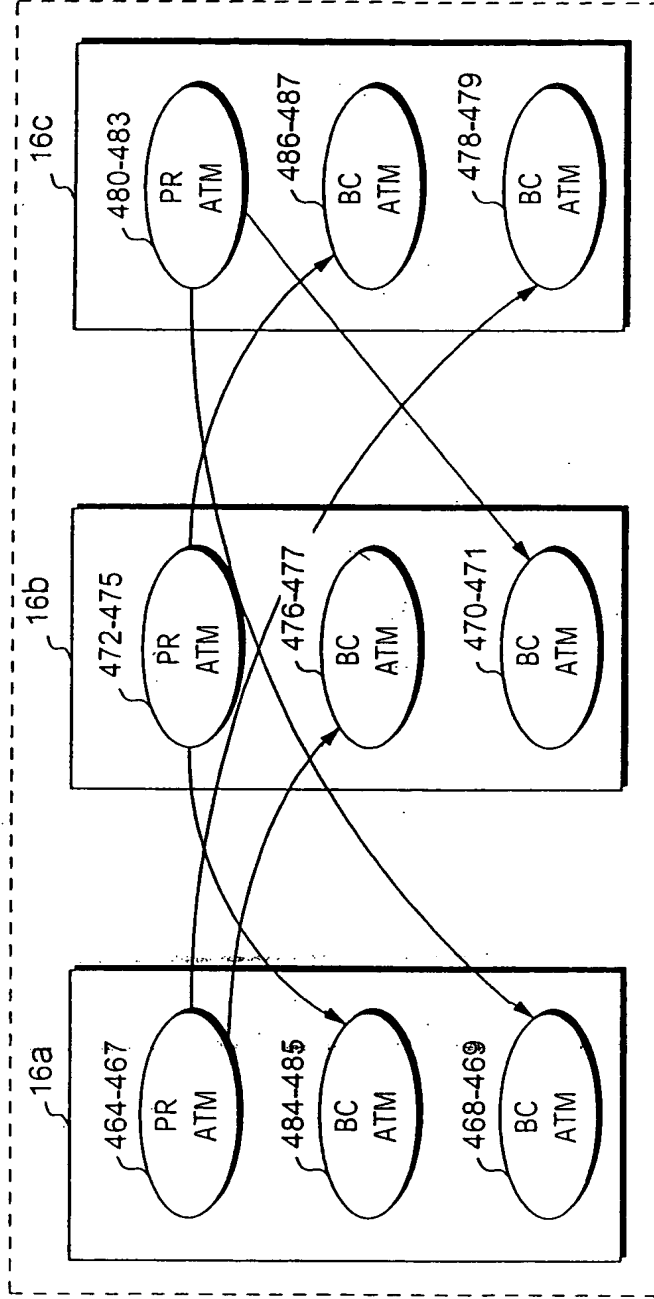


FIG. 32A

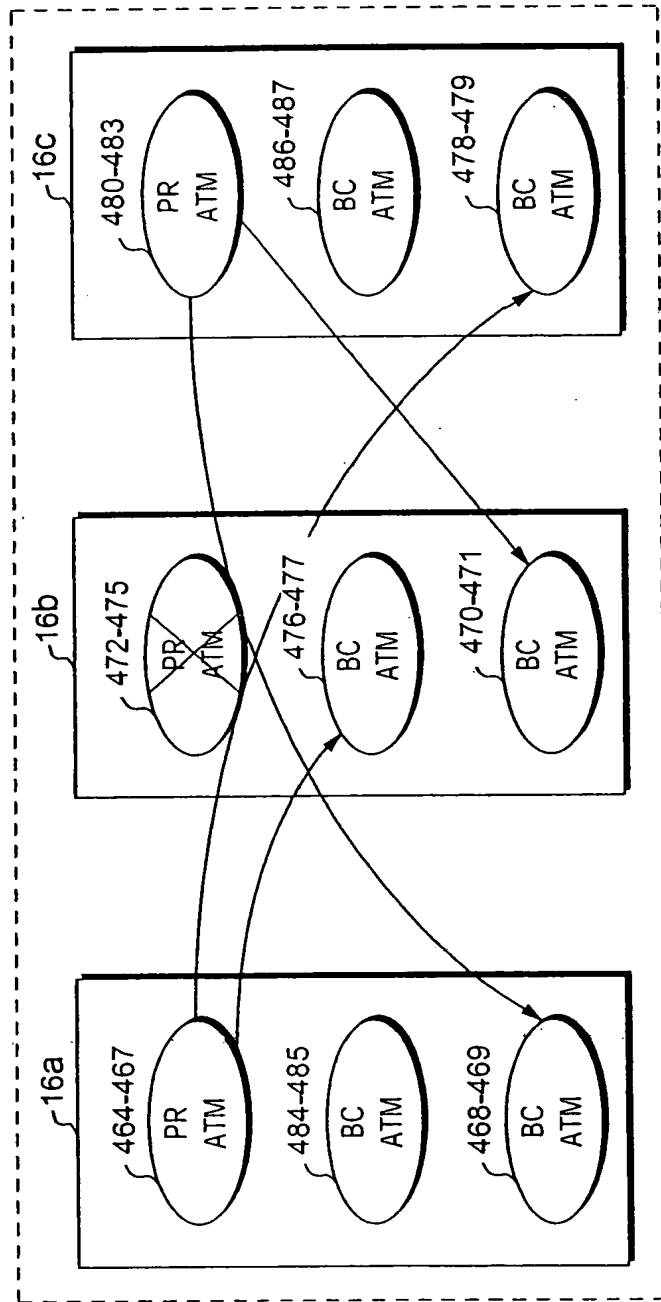


FIG. 32B

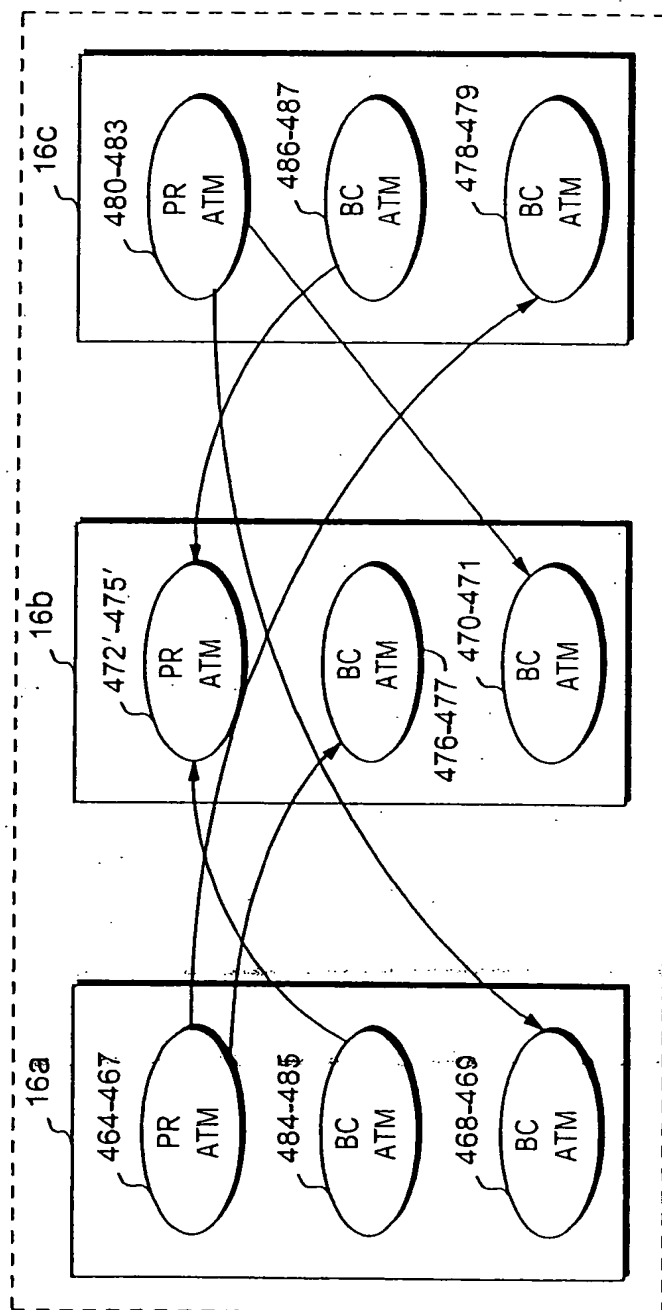


FIG. 32C

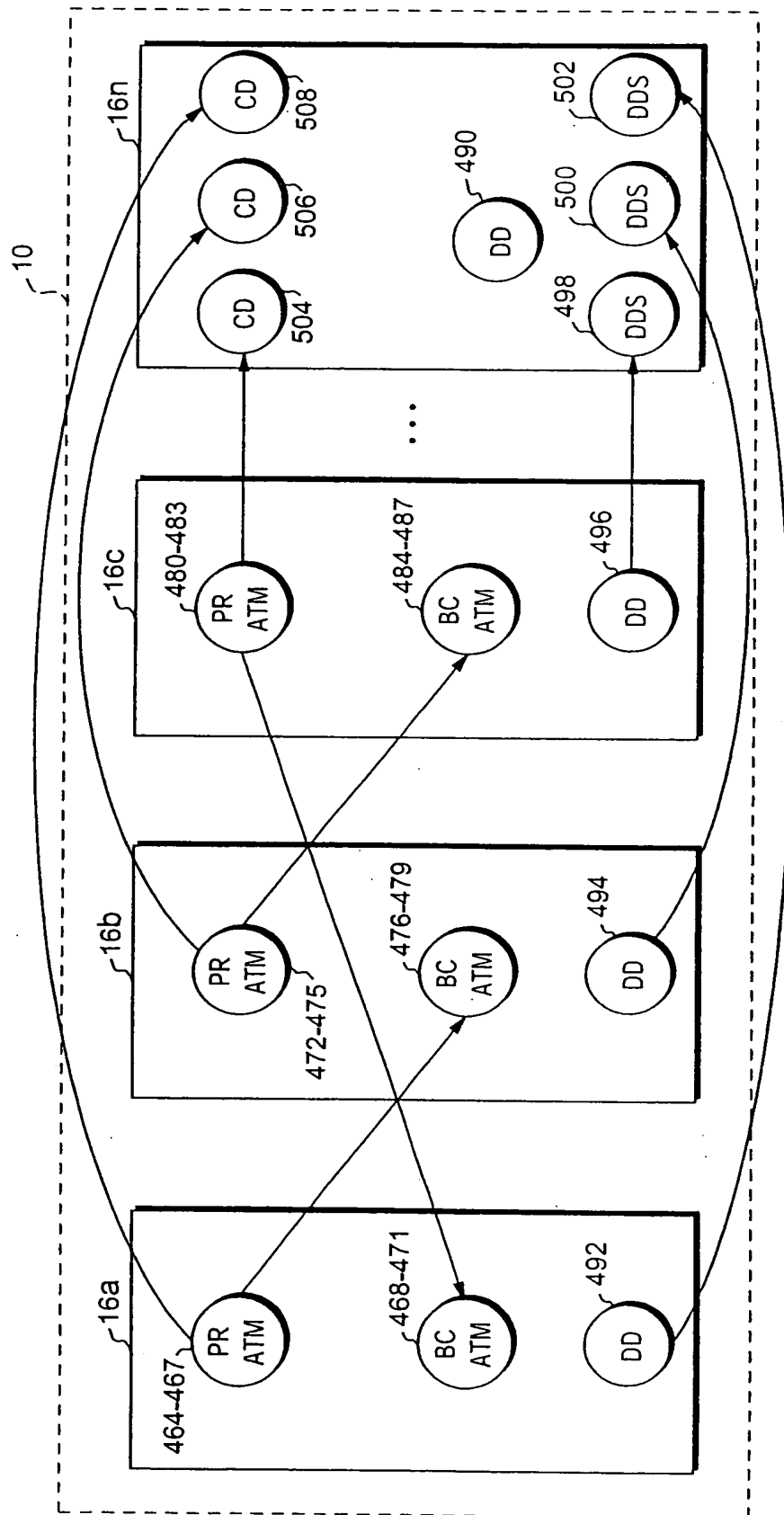


FIG. 33A

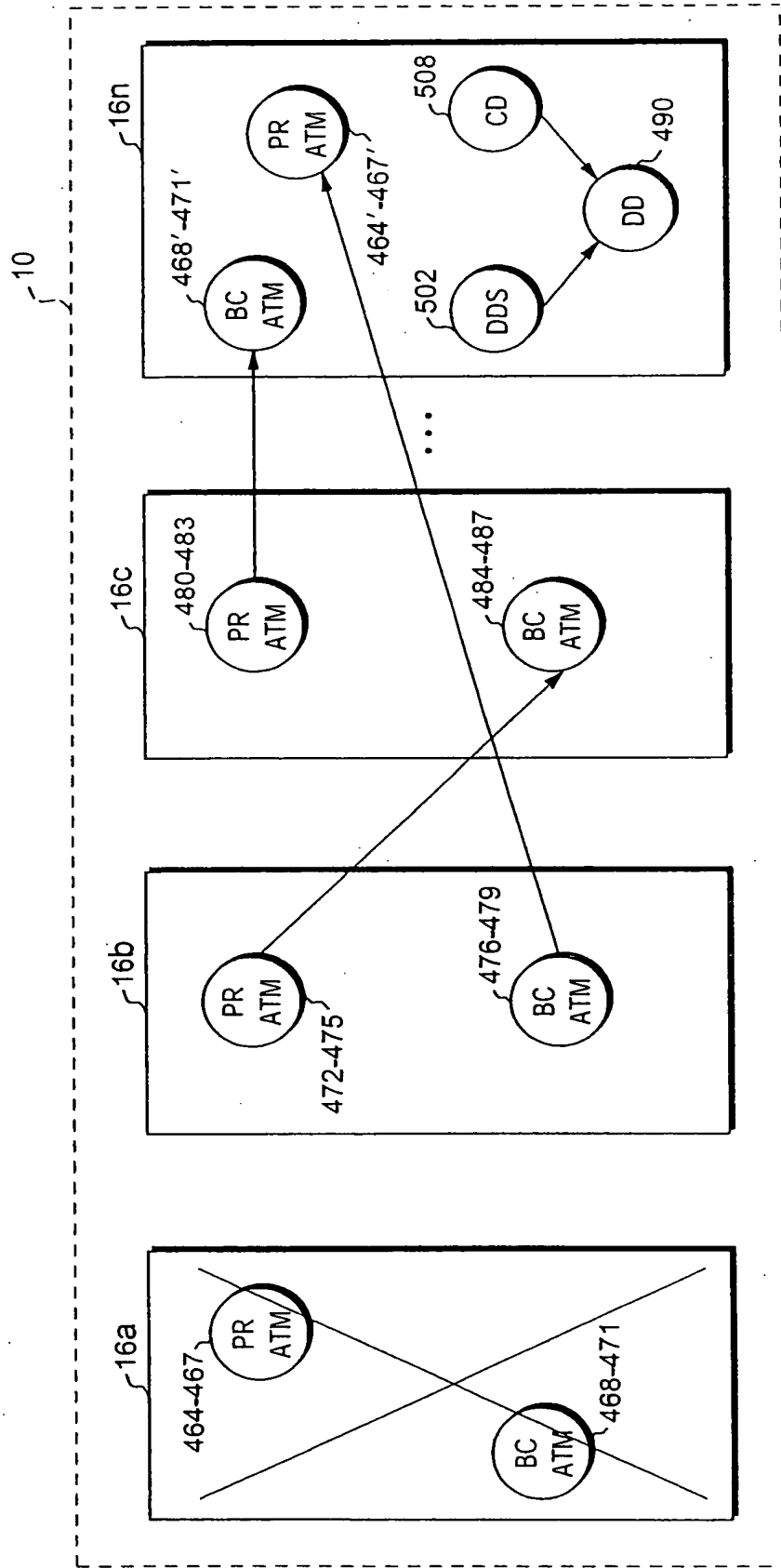


FIG. 33B

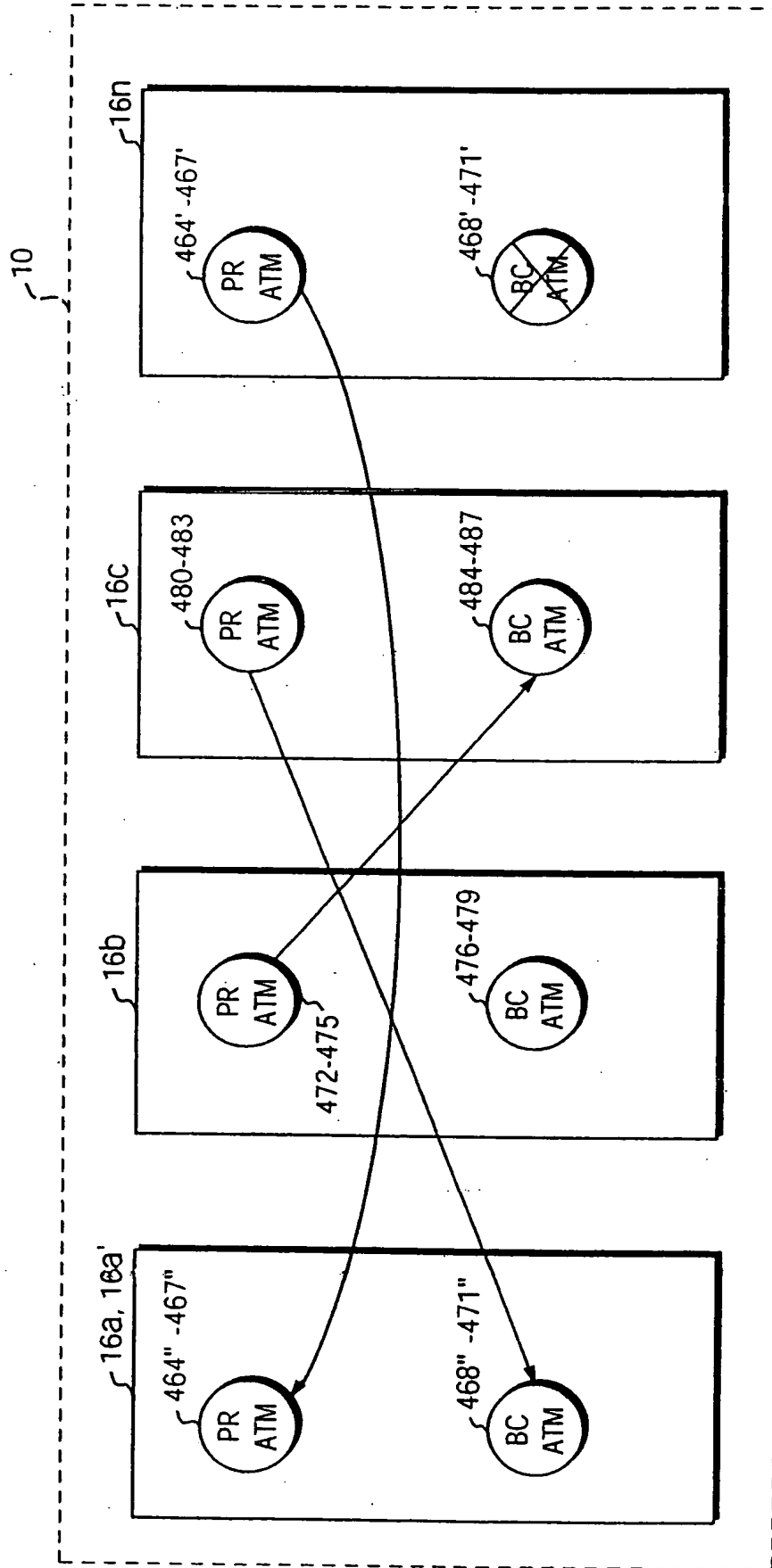


FIG. 33C

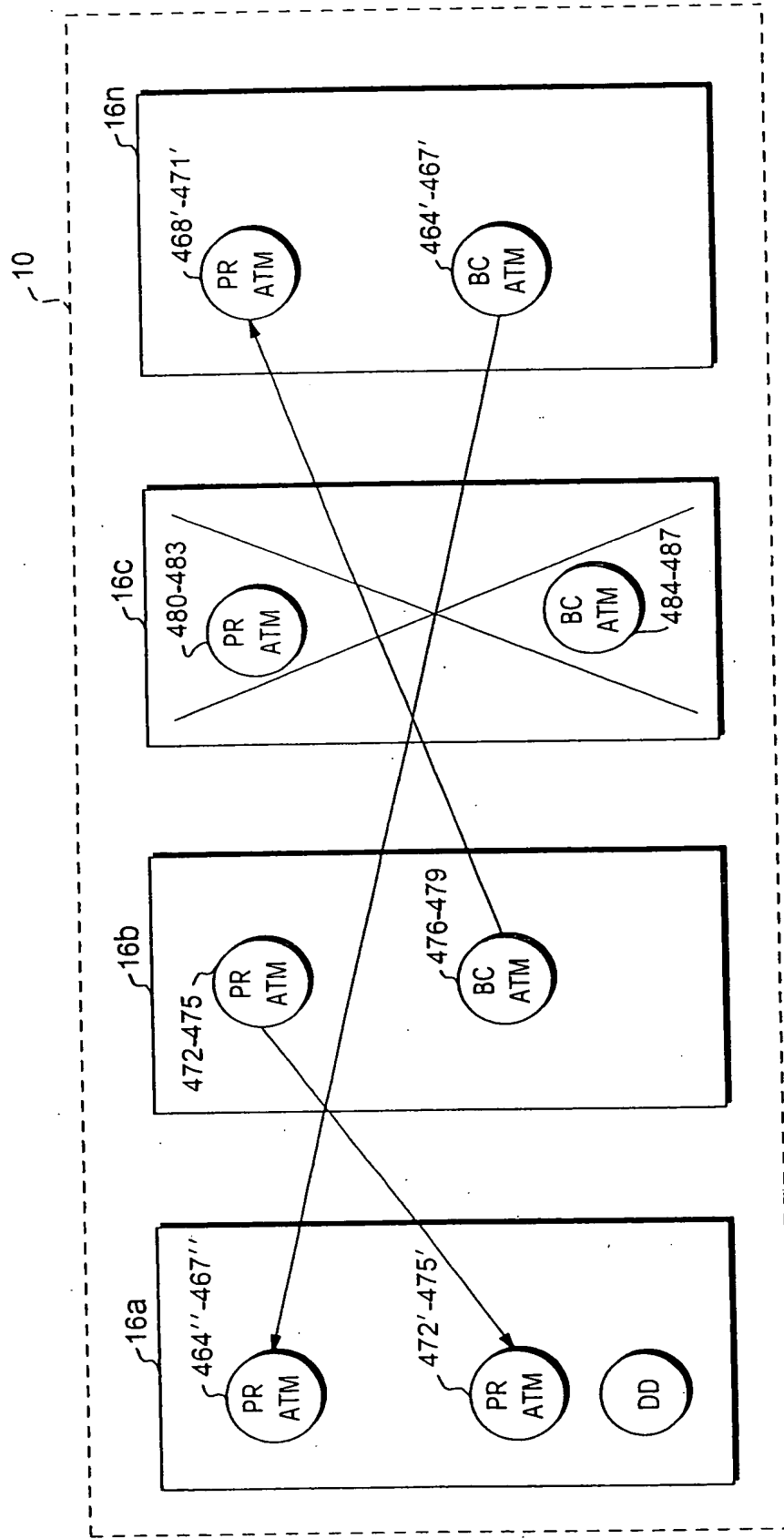


FIG. 33D

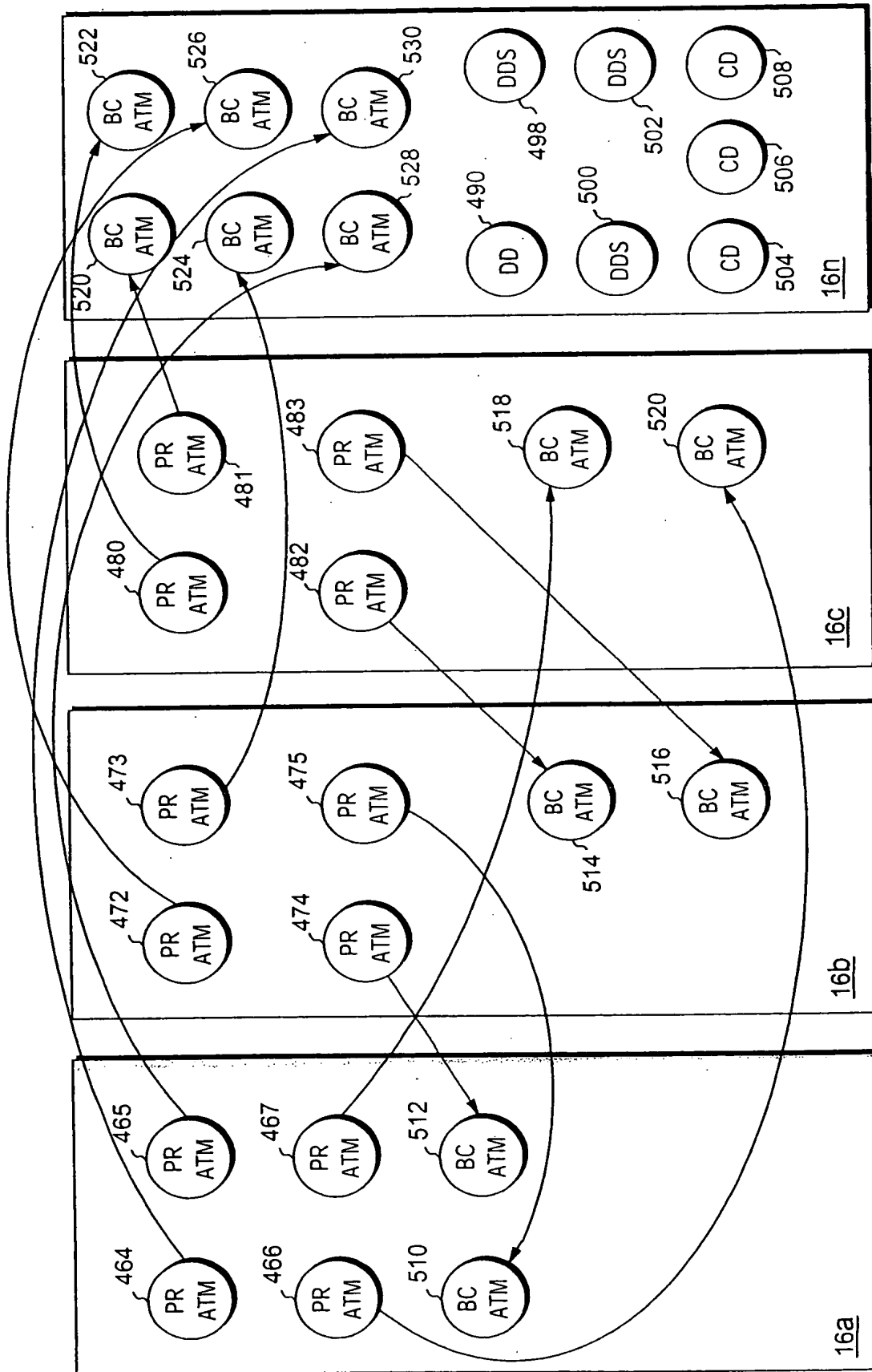


FIG. 34A

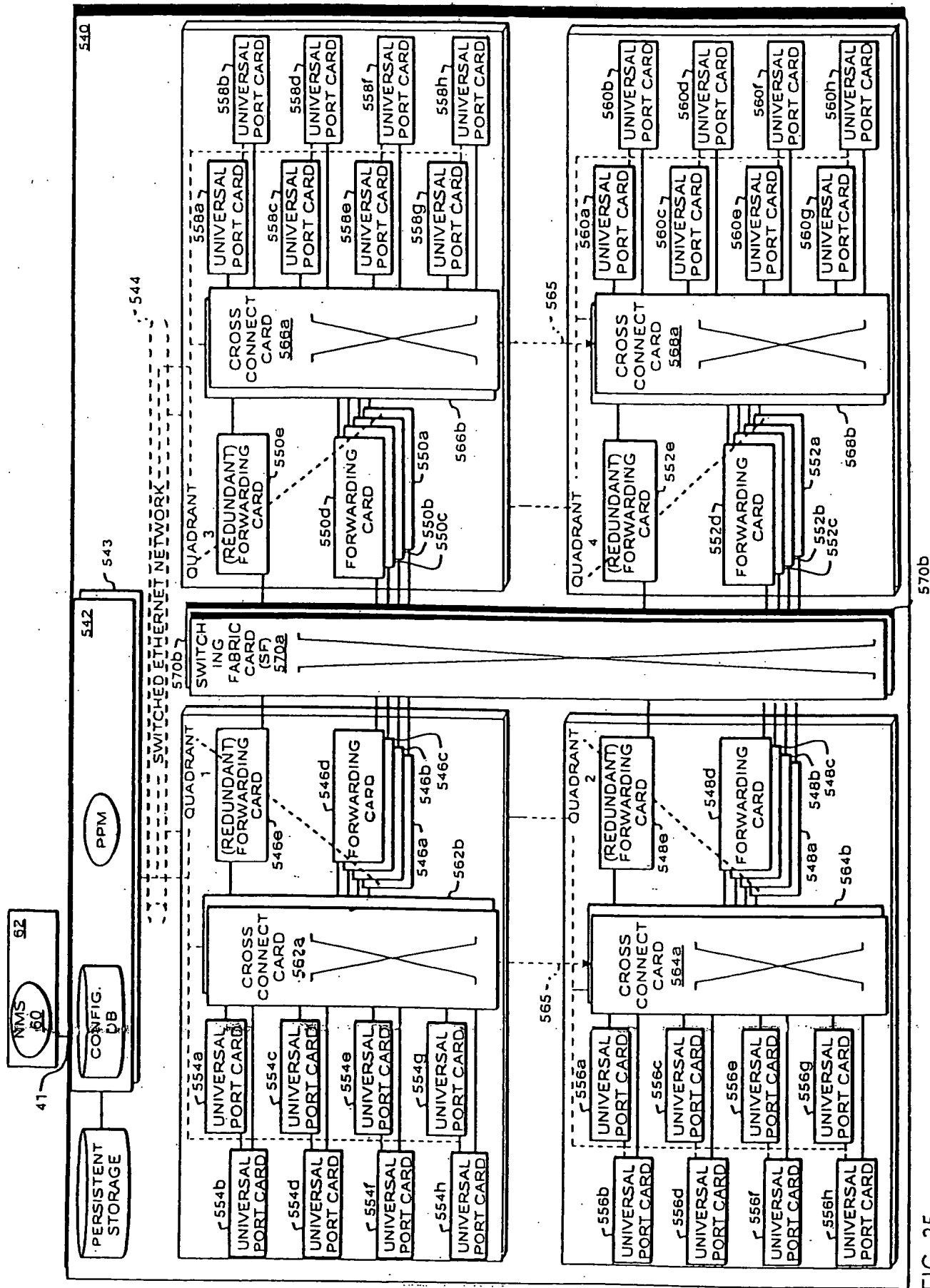


FIG. 35

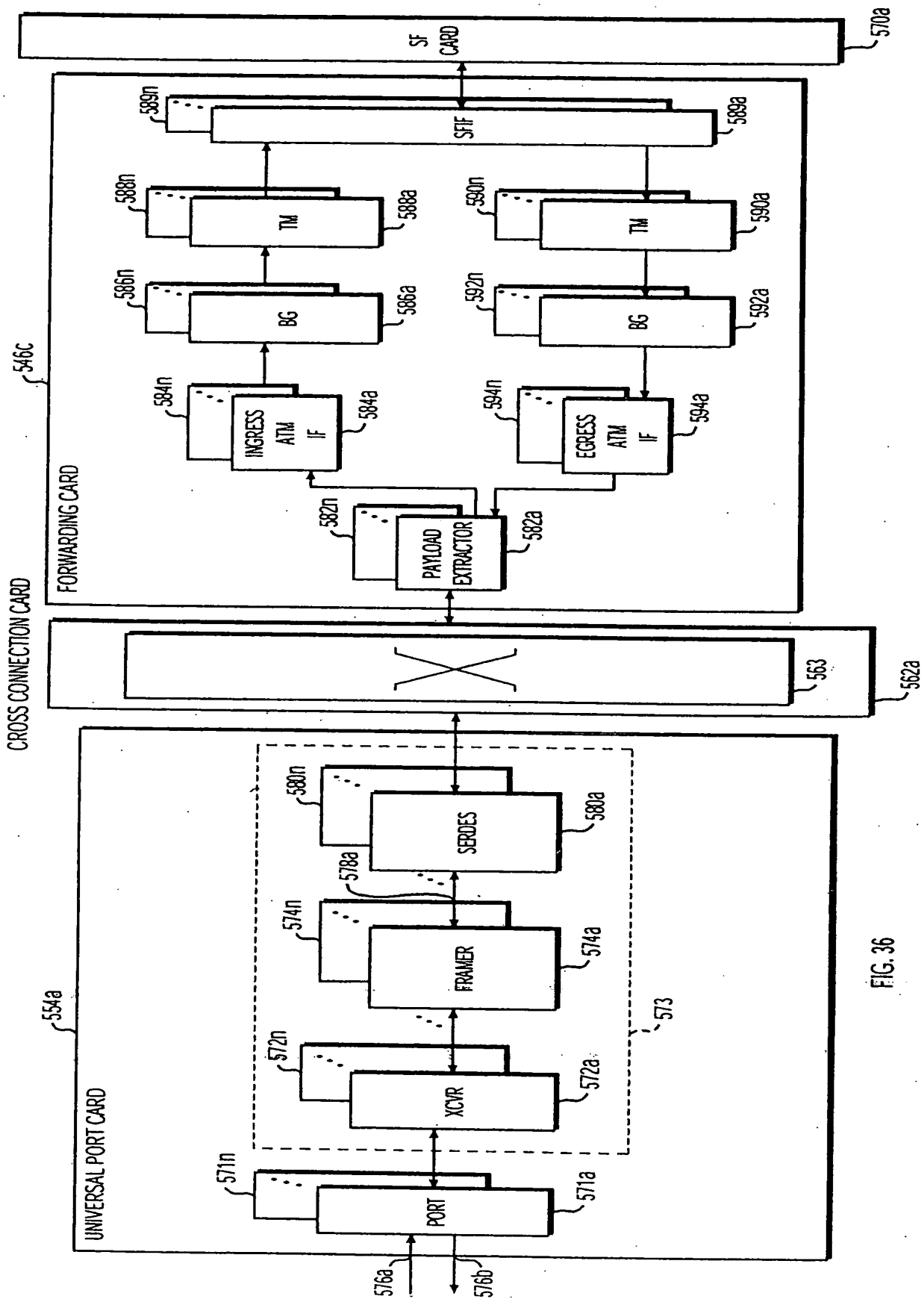


FIG. 36

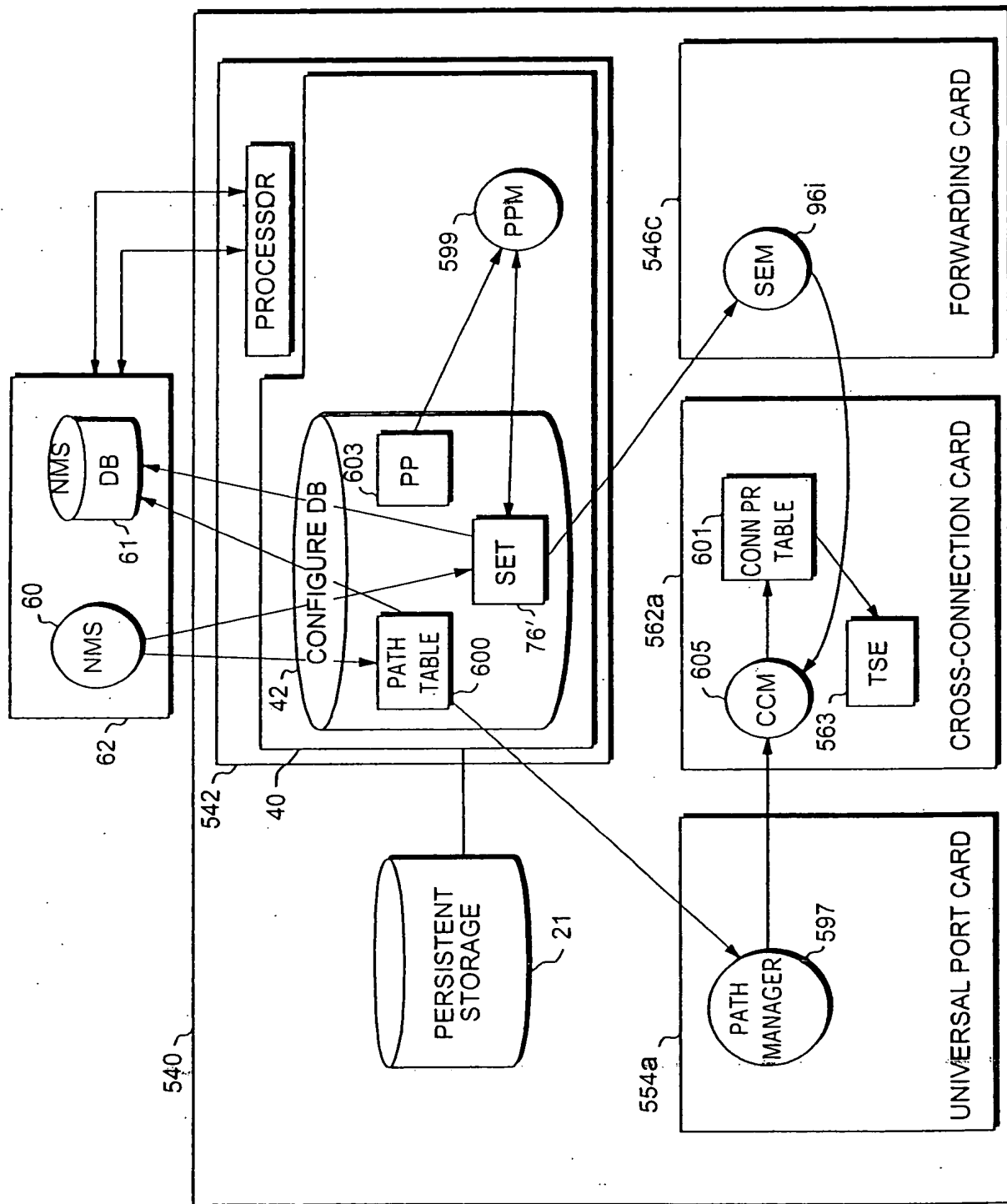


FIG. 37

PATH TABLE 600

602

PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	...
1666	1231	4	3	
⋮	⋮	⋮	⋮	⋮

FIG. 38

SERVICE END POINT TABLE 76'

SE #	Q #	FC LID	FC SLICE	FC TIME SLOT	PATH PID	...
878	1				1666	
⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 39

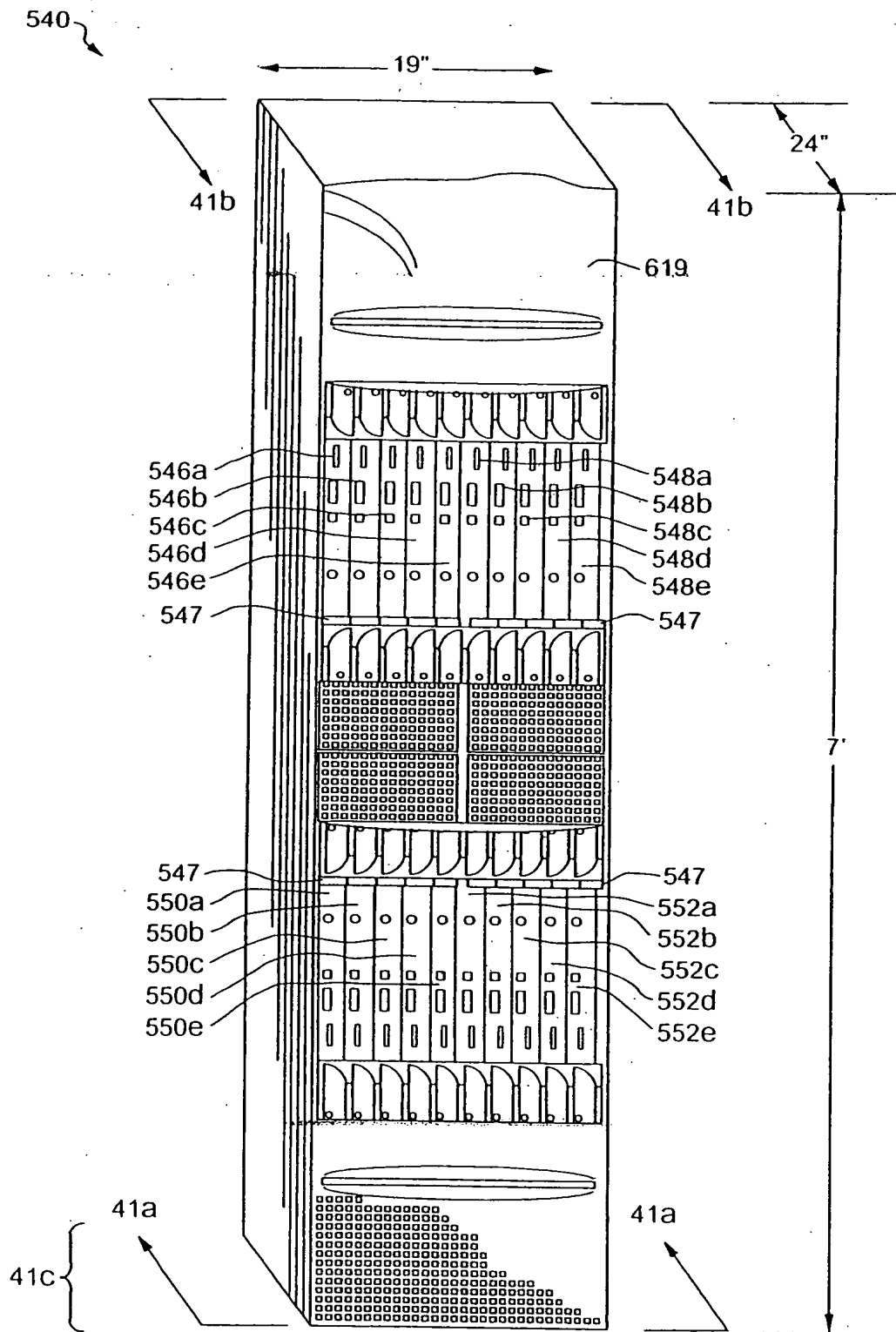


FIG. 40

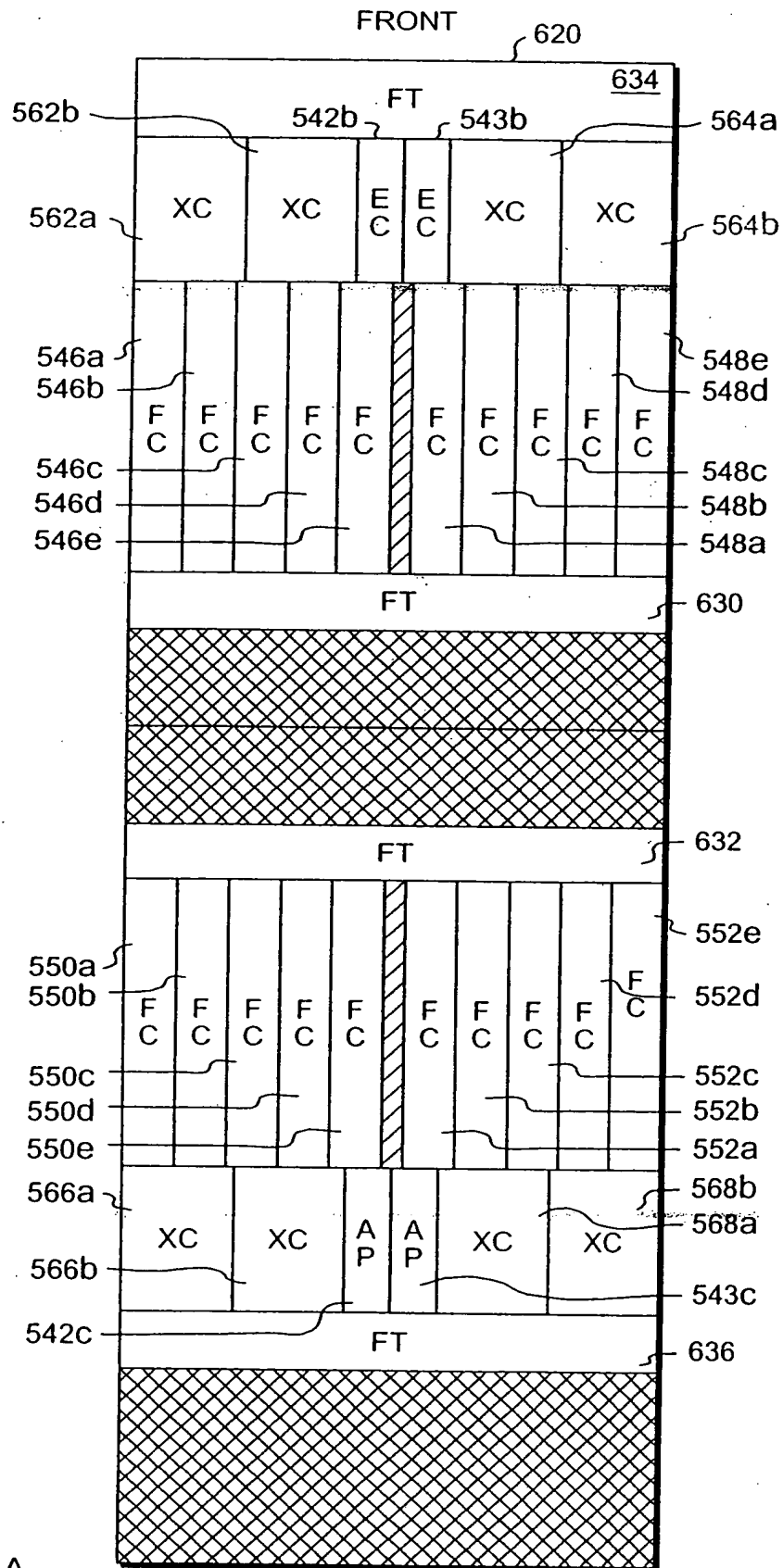


FIG. 41A

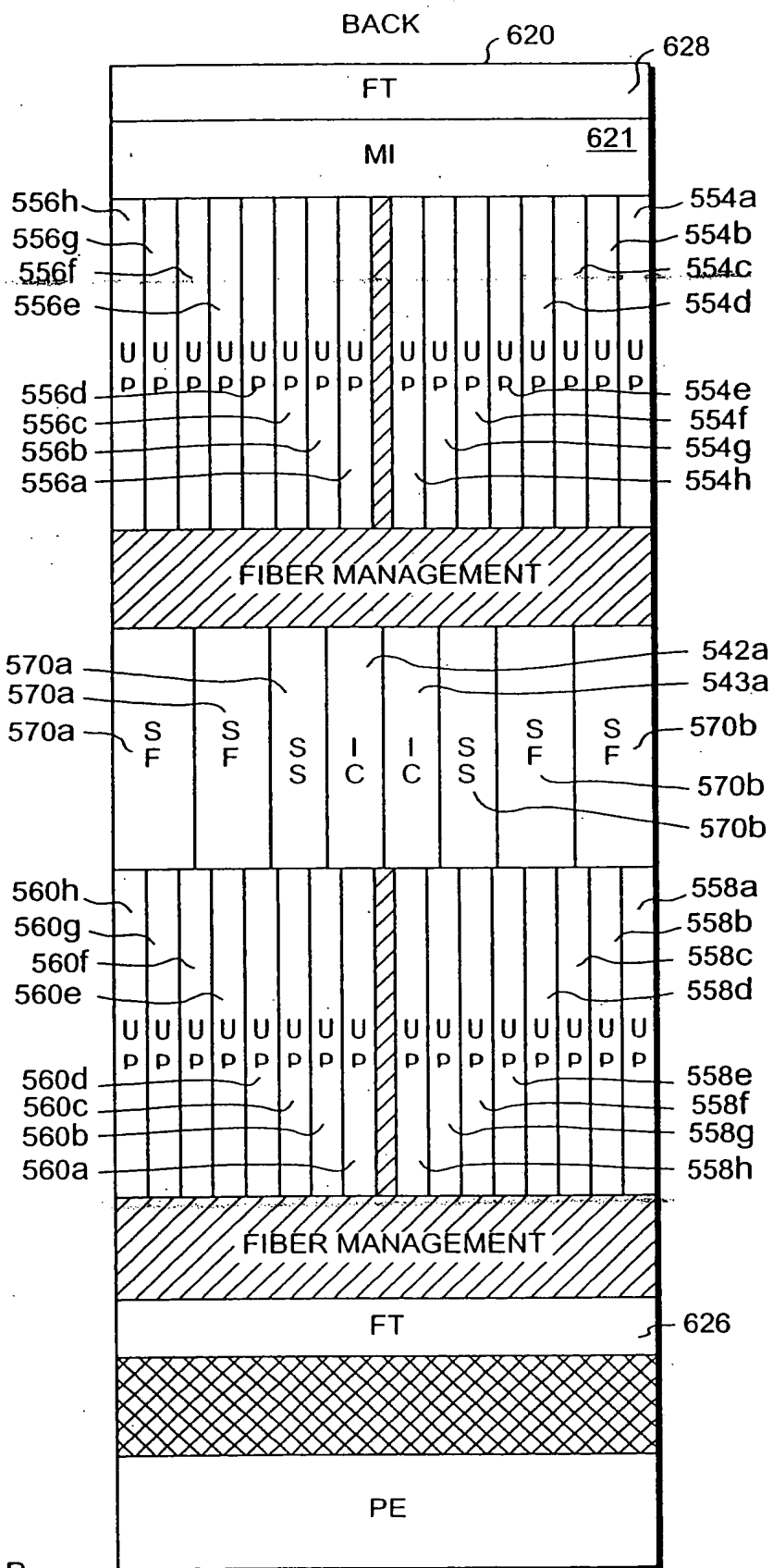


FIG. 41B

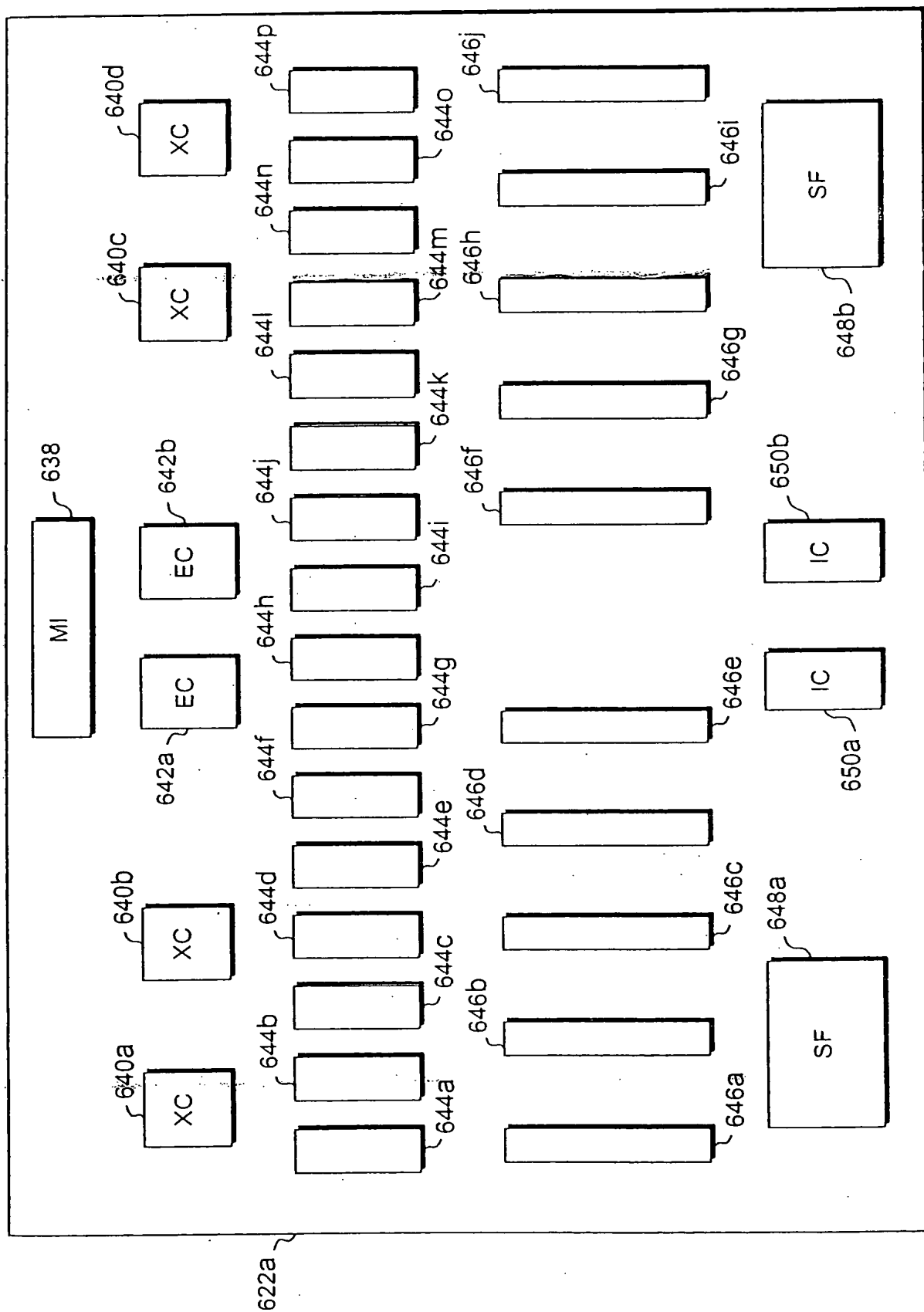


FIG. 42A

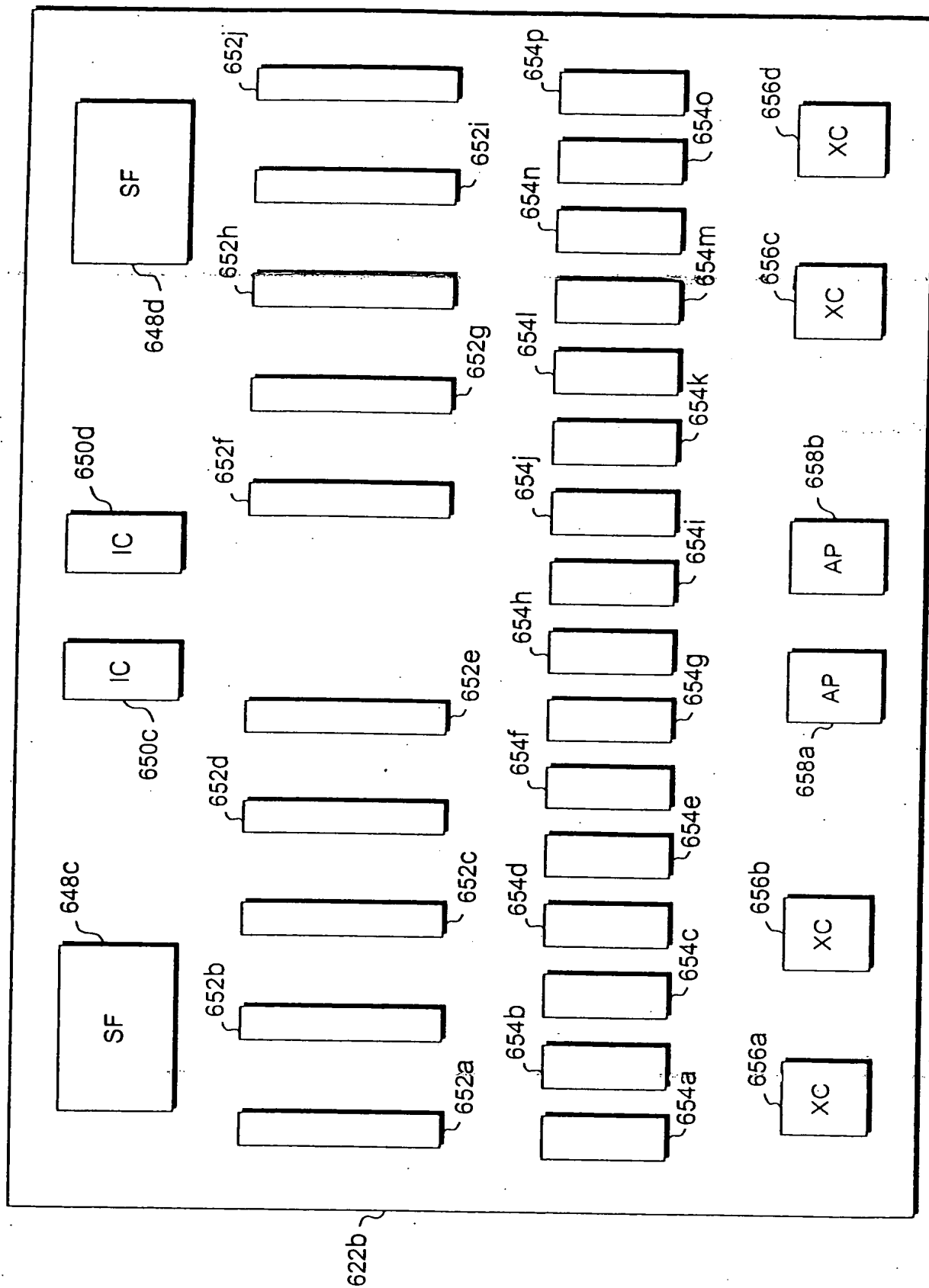


FIG. 42B

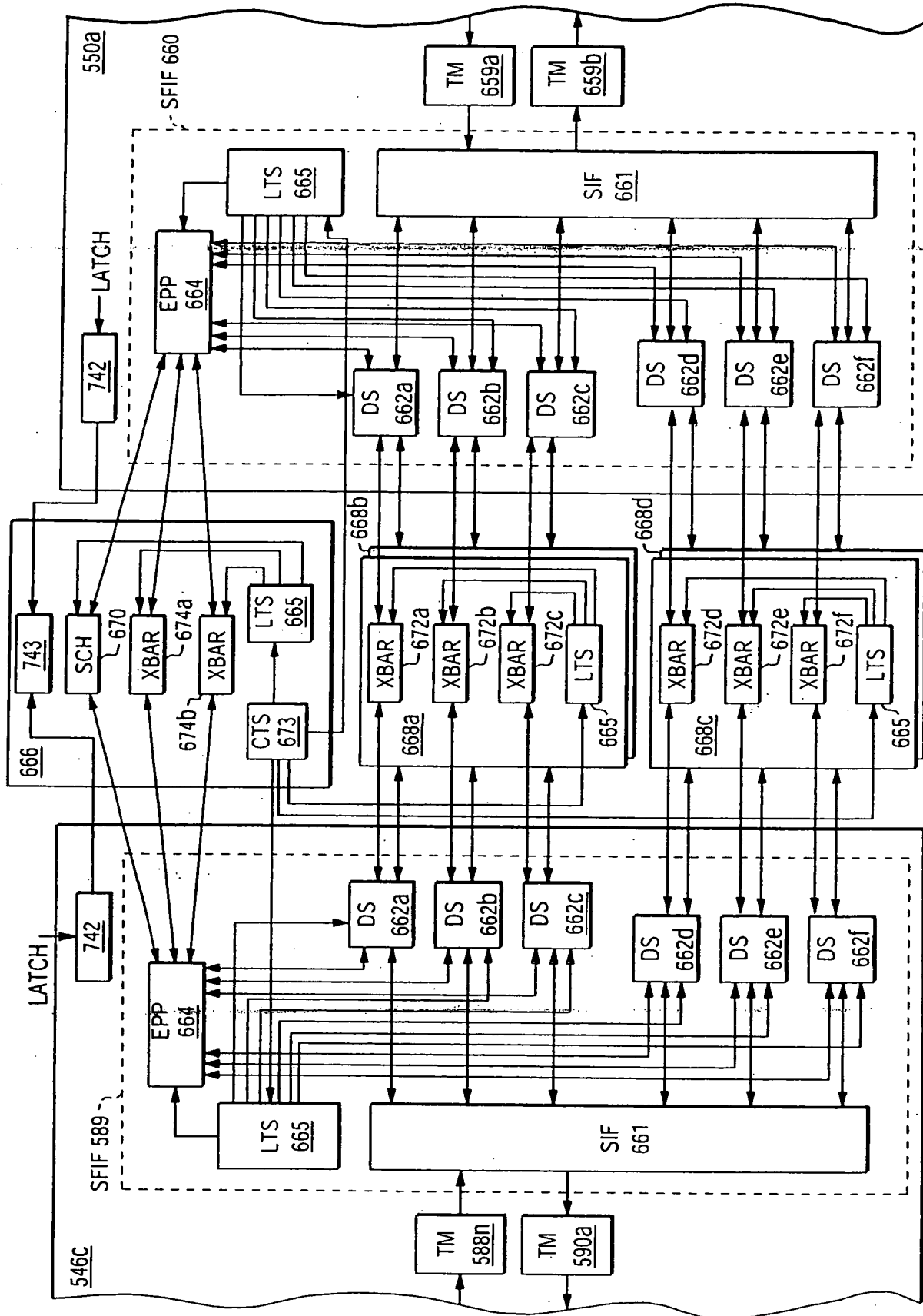


FIG. 43

540

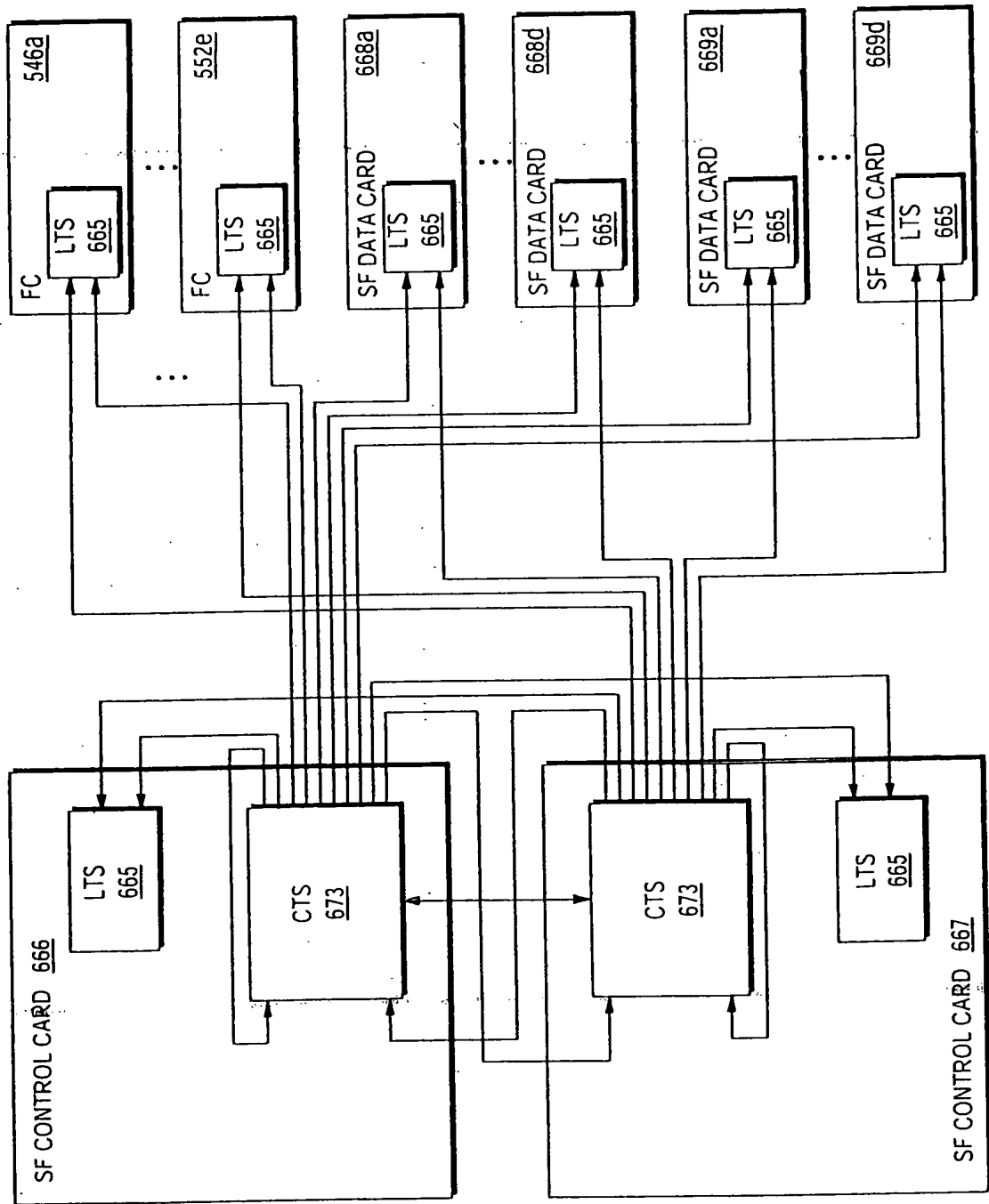


FIG. 44

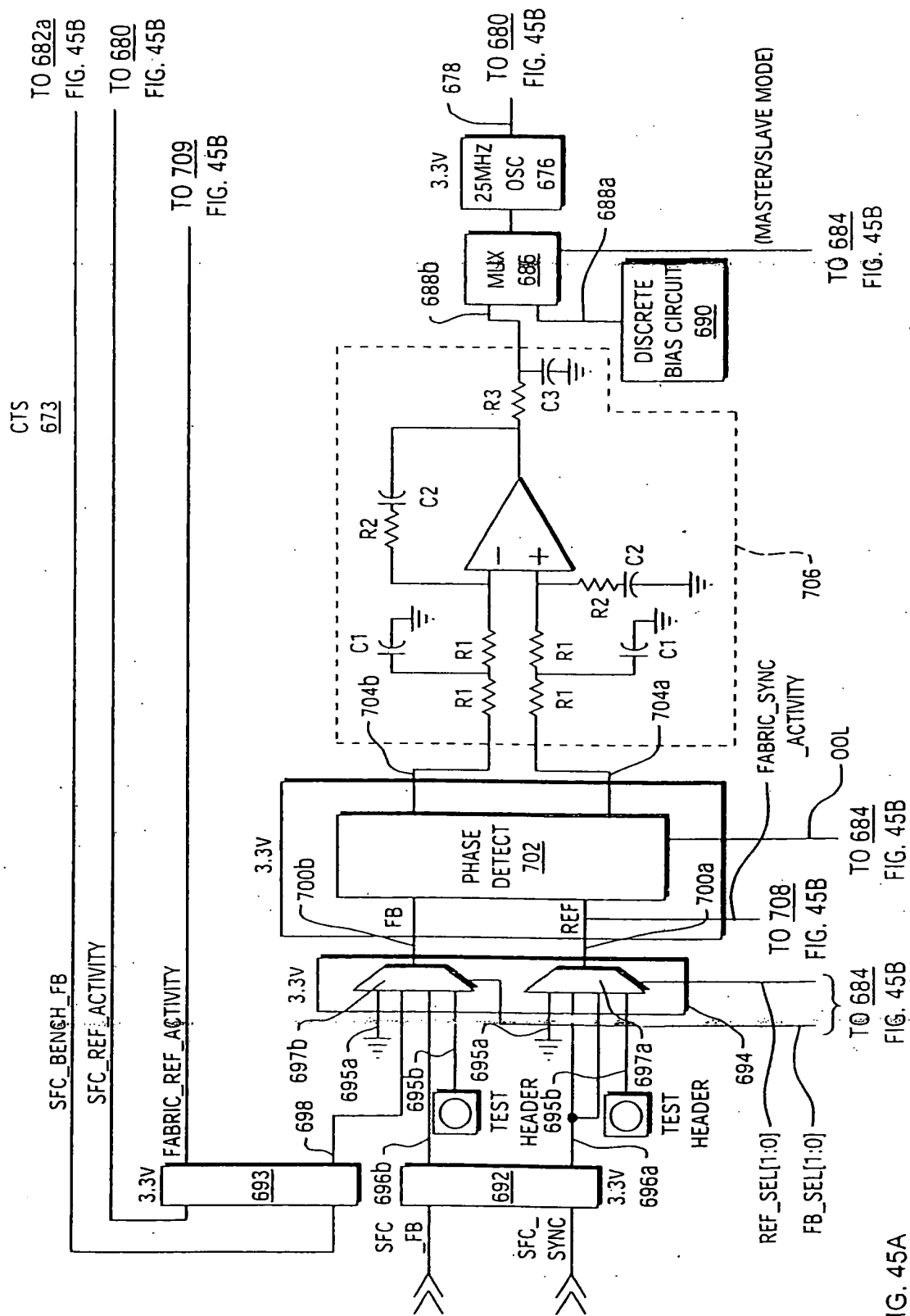
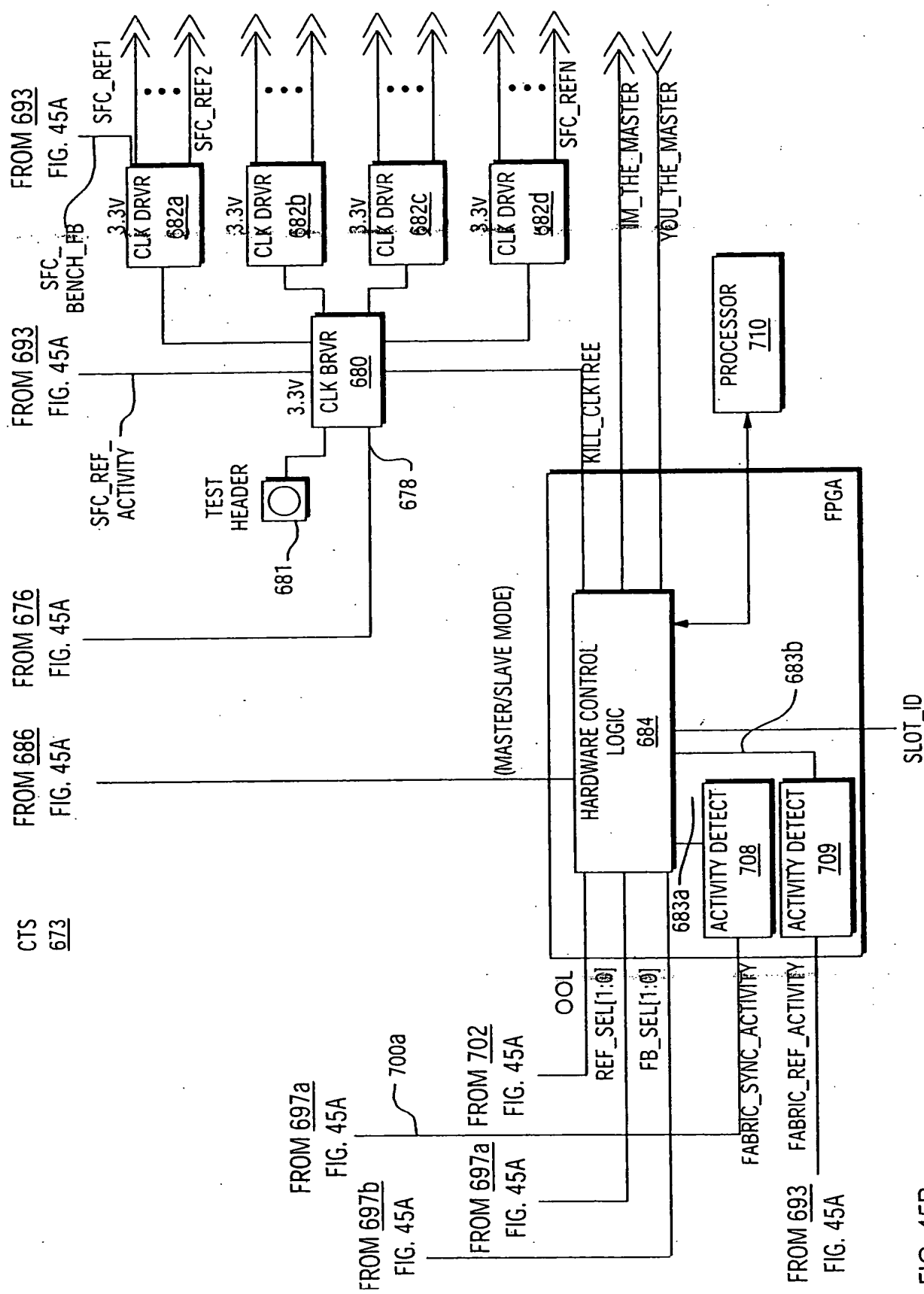


FIG. 45A



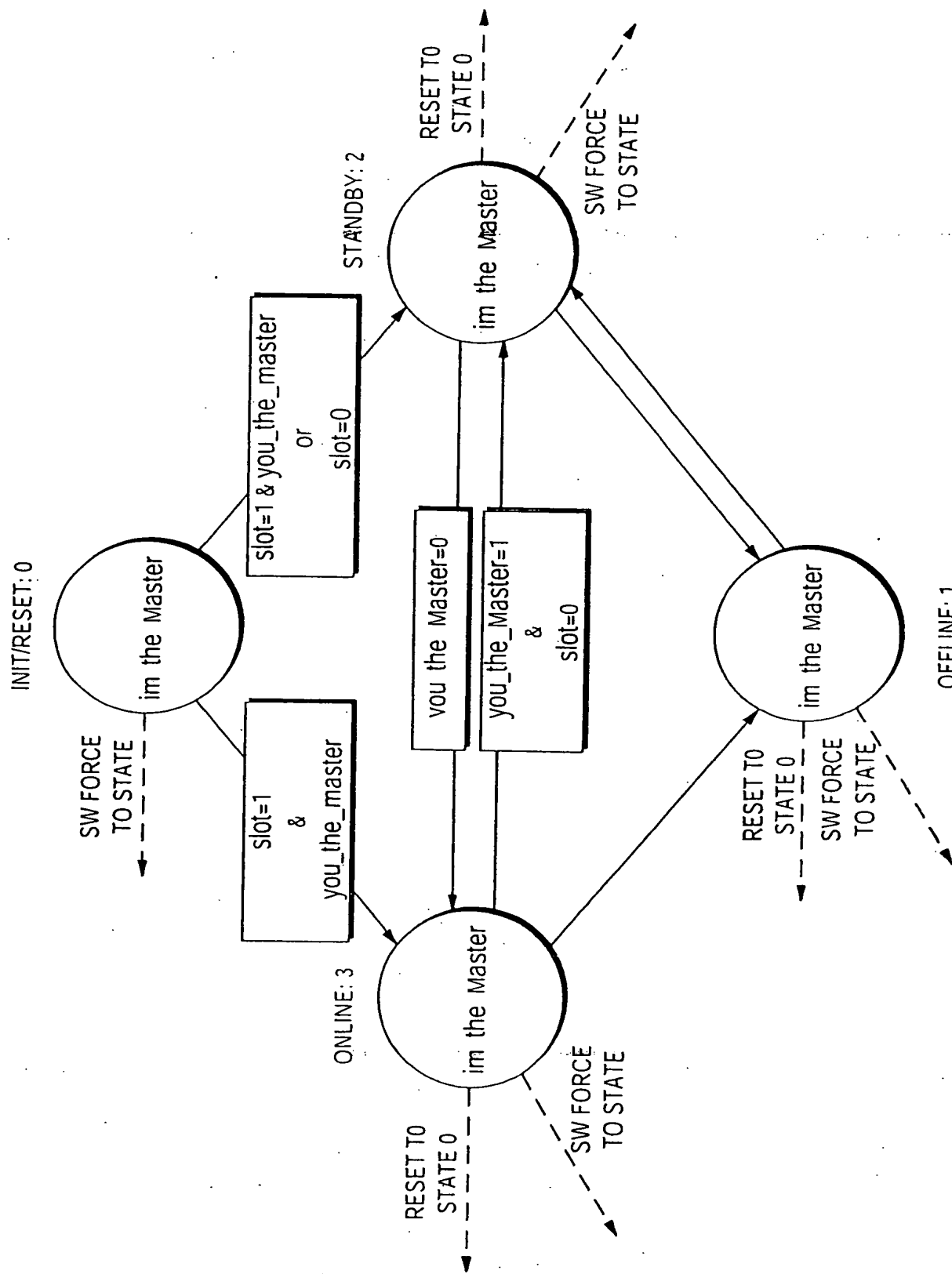


FIG. 46

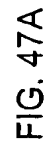


FIG. 47A

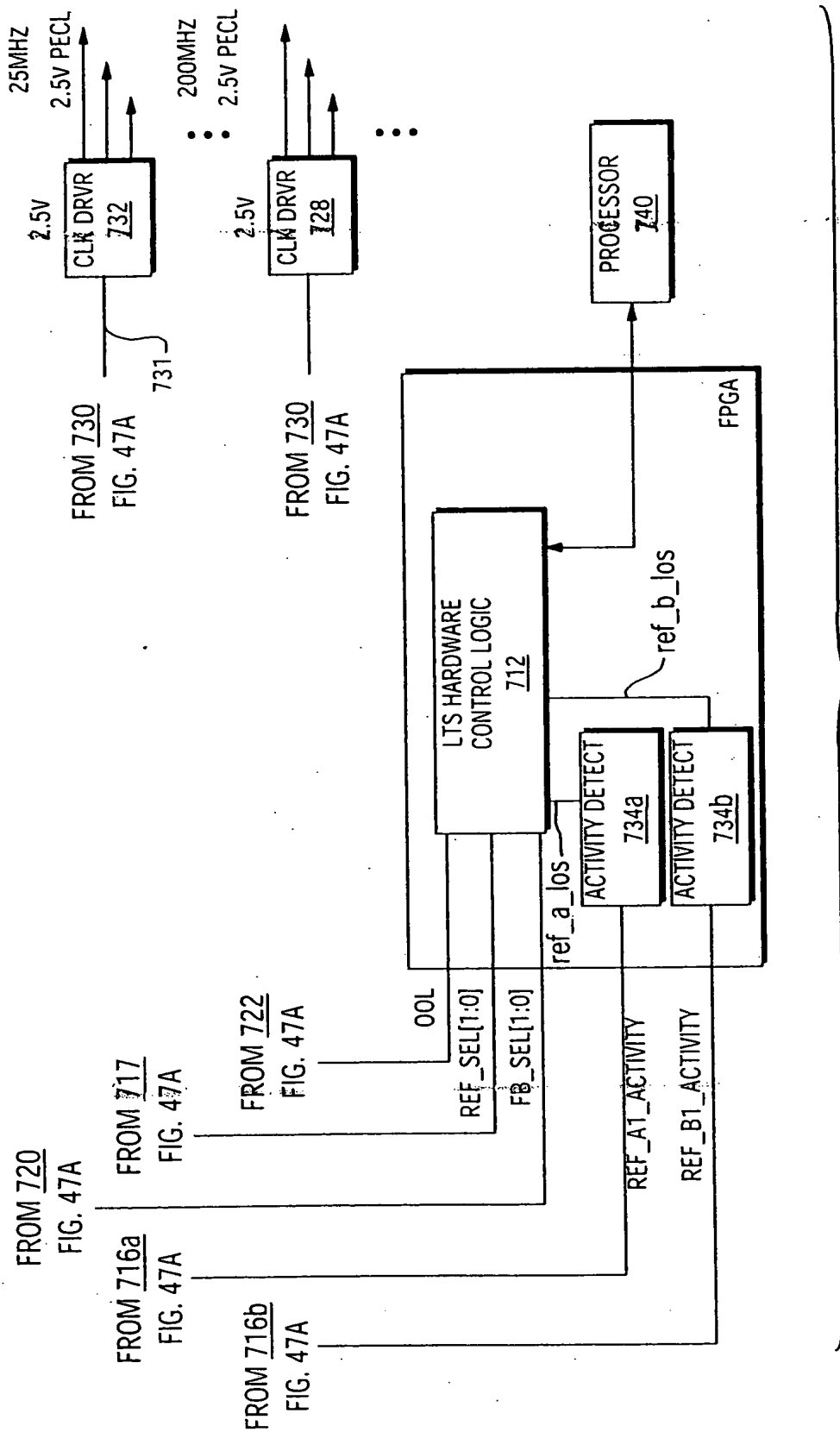


FIG. 47B

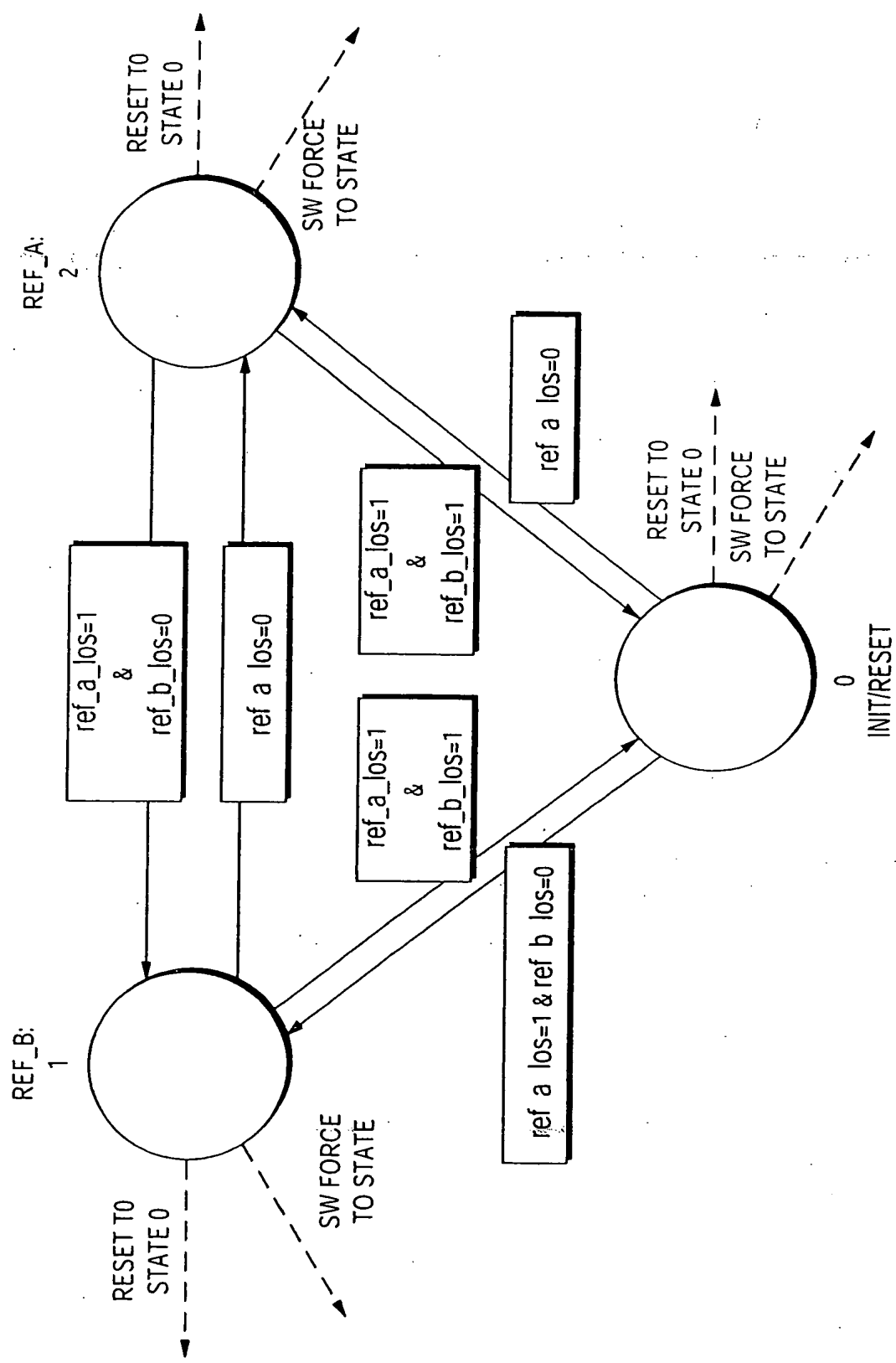


FIG. 48

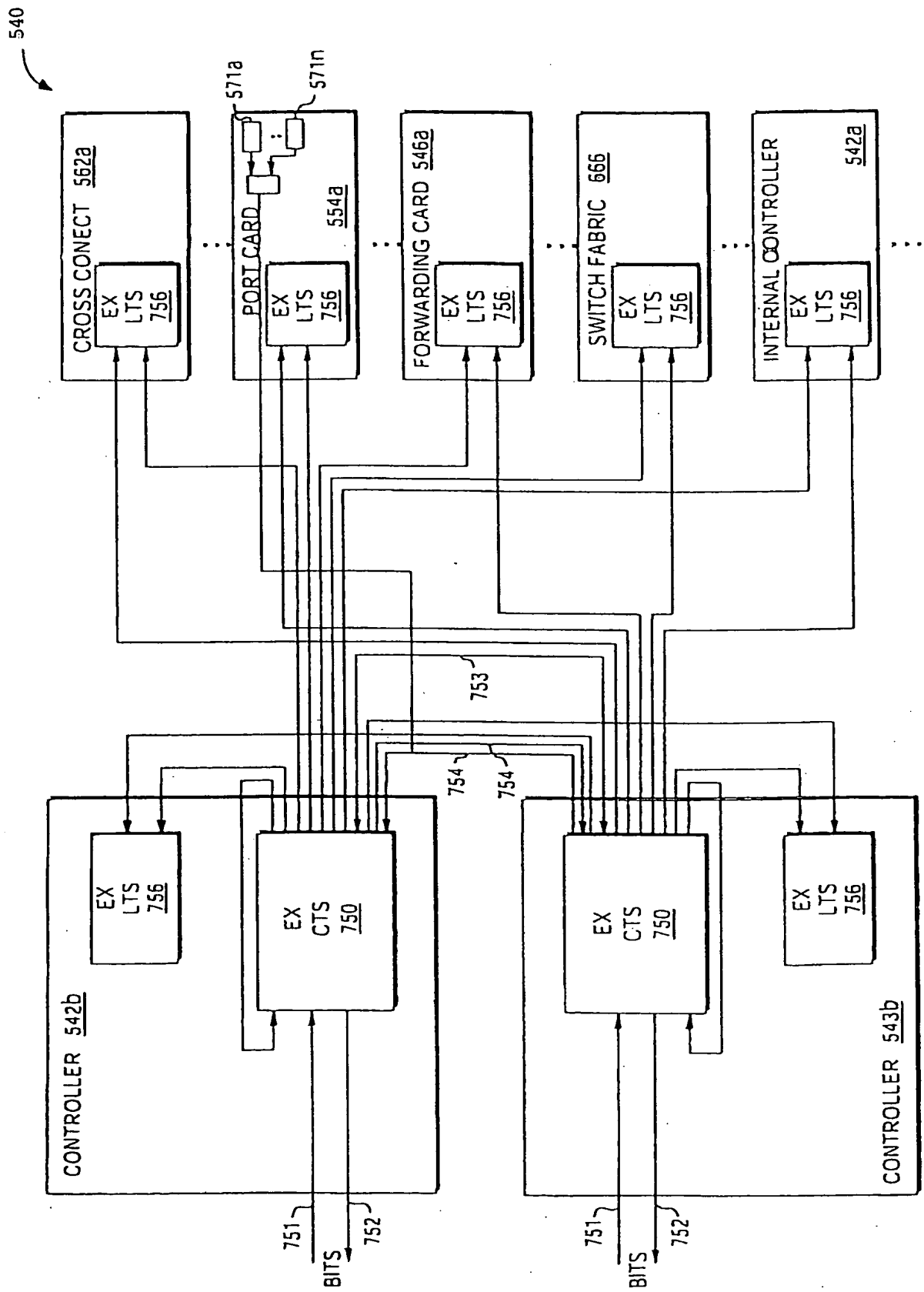


FIG. 49

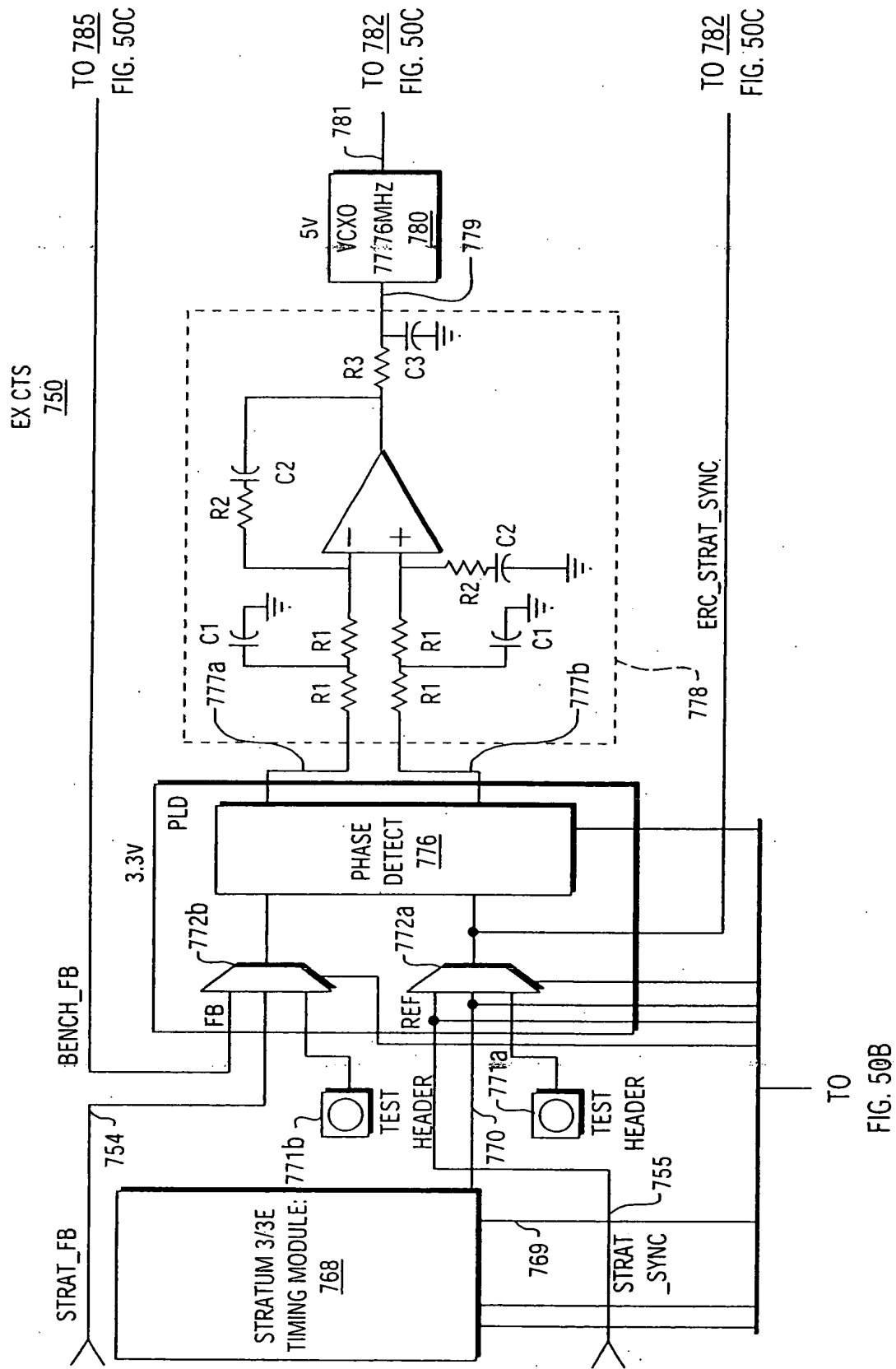


FIG. 50A

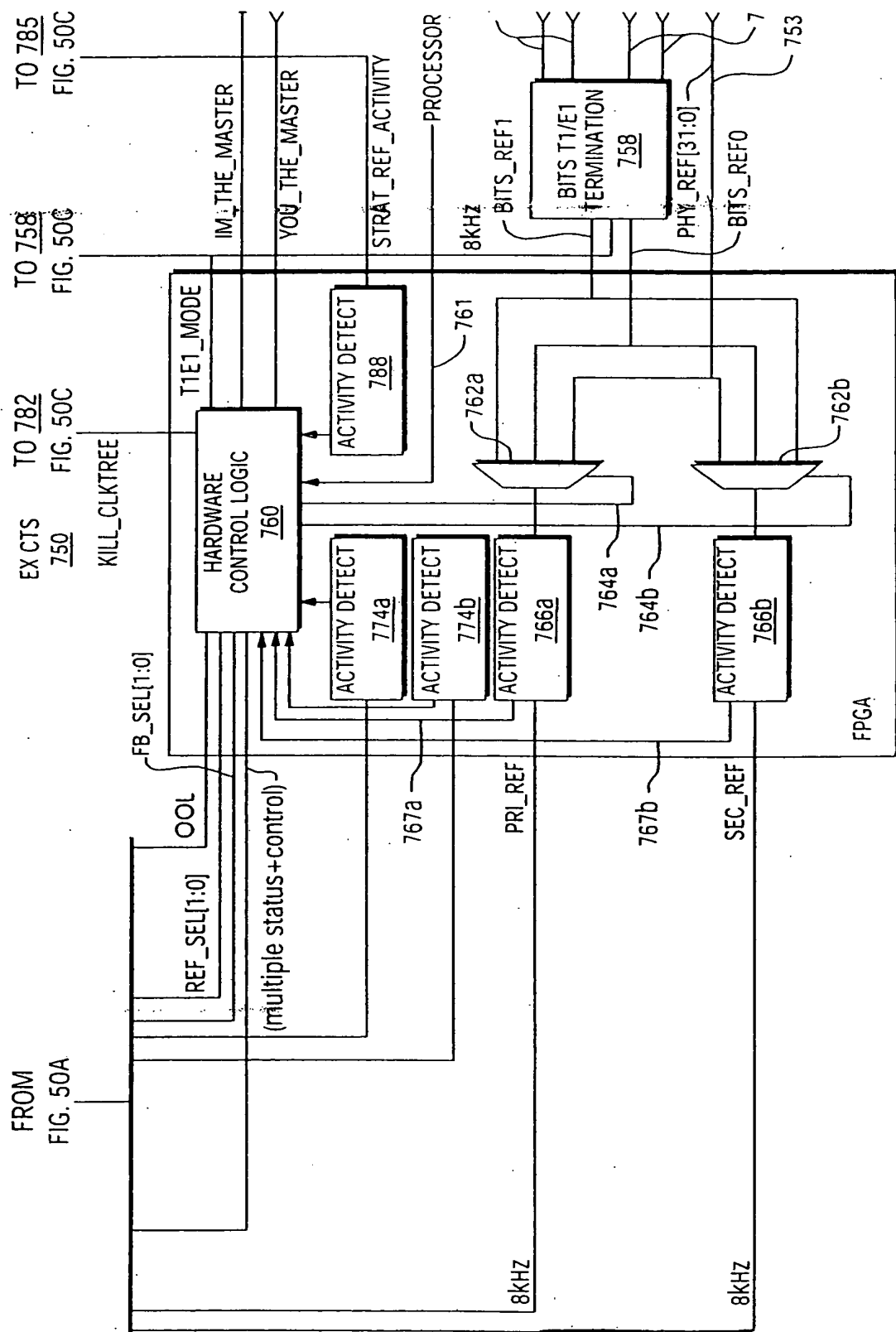


FIG. 50B

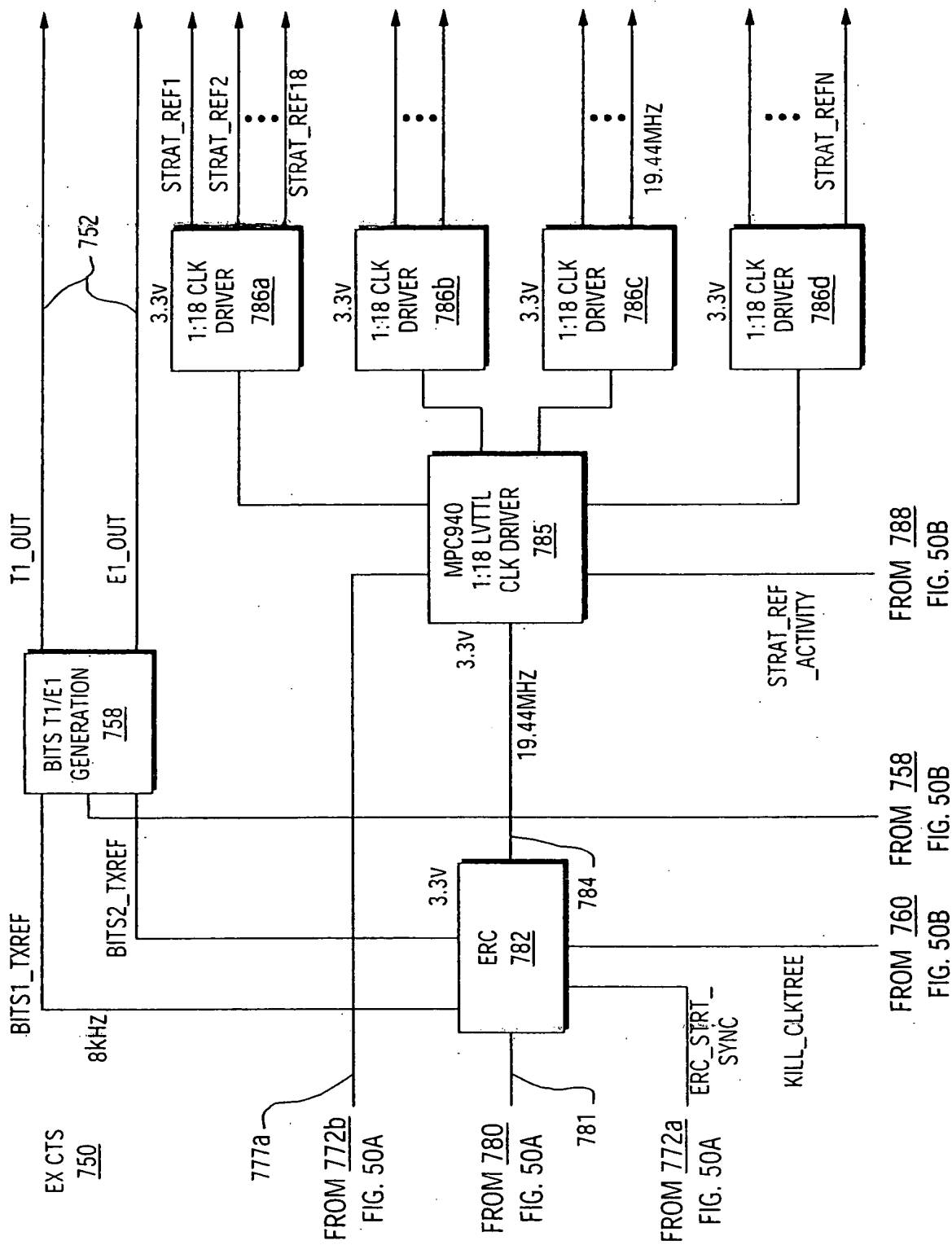


FIG. 50C

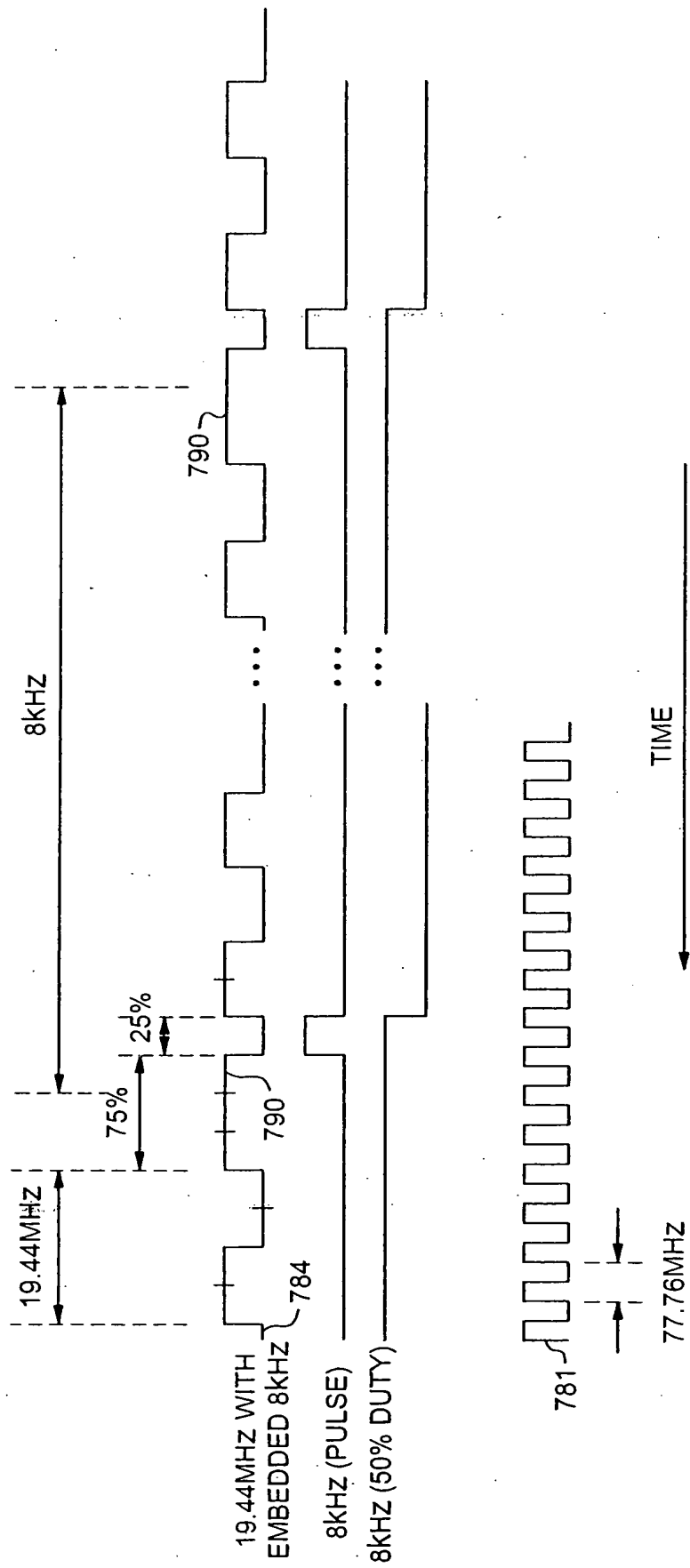


FIG. 51

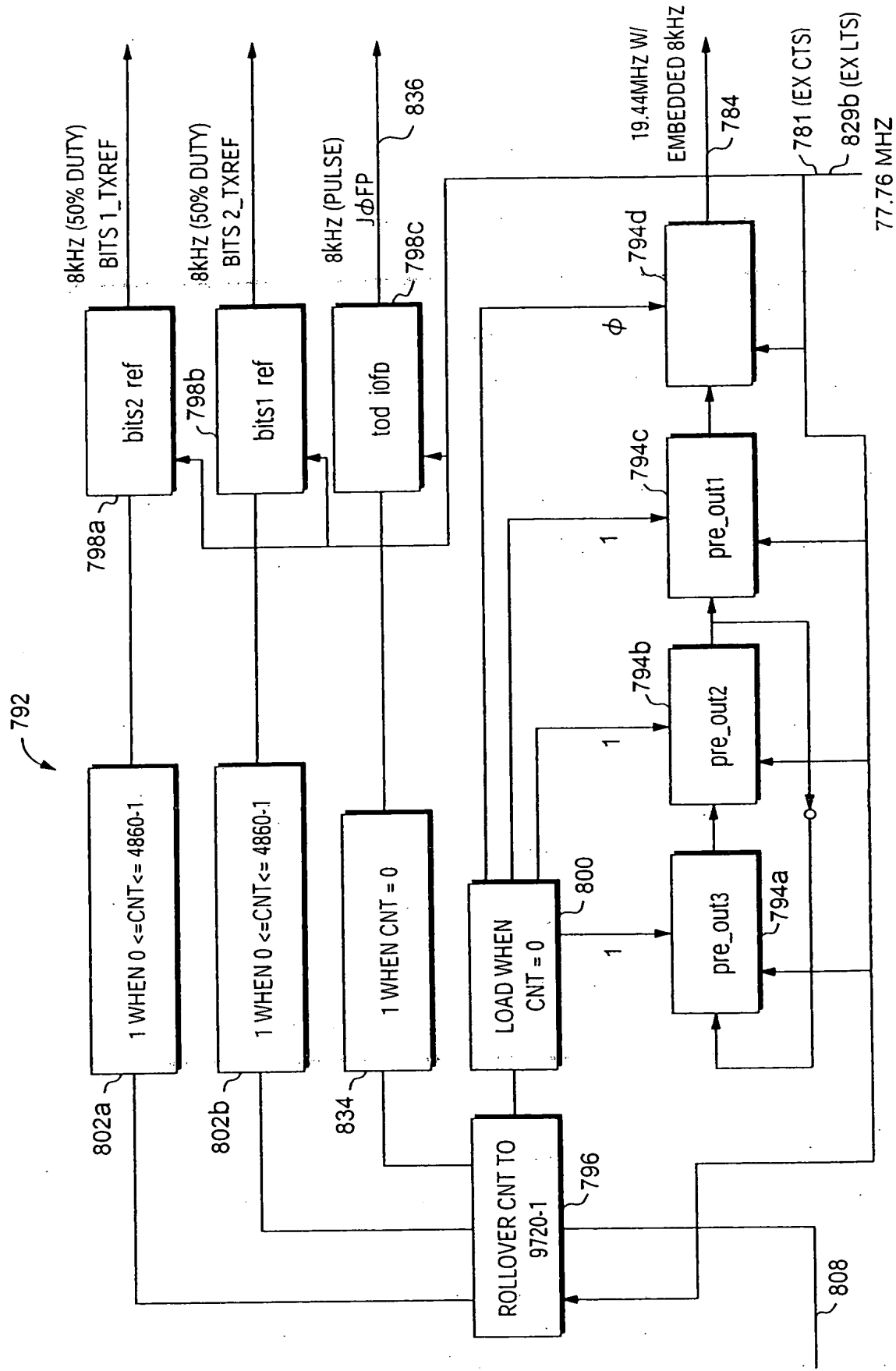


FIG. 52

EXTRACTOR
804

ERC_STRAT_SYNC (EX CTS)
 STRAT_REF_A OR STRAT_REF_B (EX LTS) 832
 19.44MHz WITH ENCLOSED 8kHz
 (MUST BE PULLED LOW WHEN NOT PRESENT)

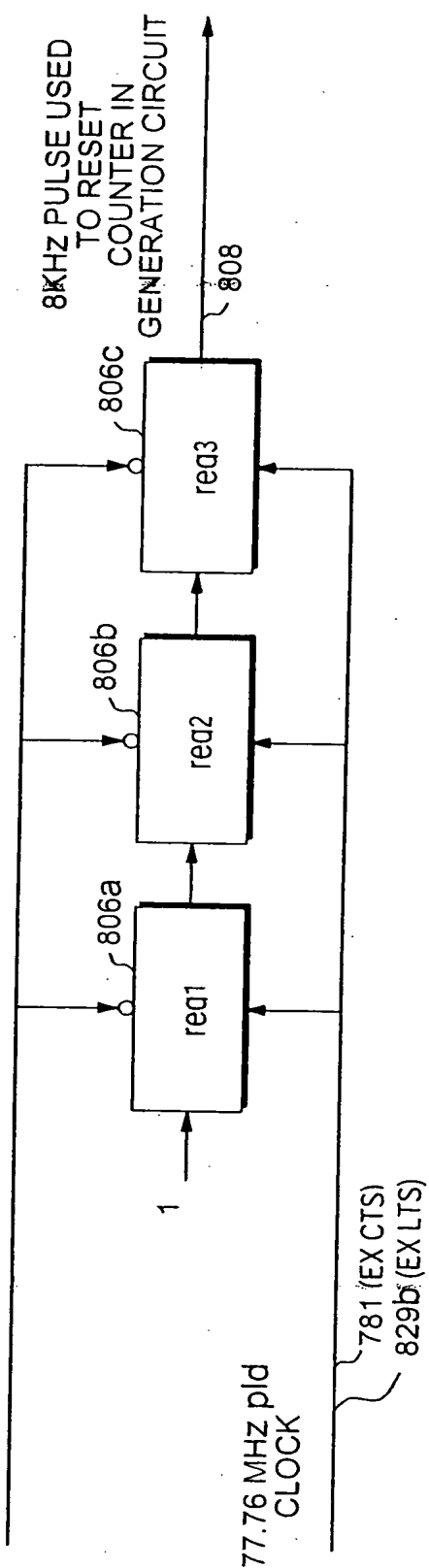


FIG. 53

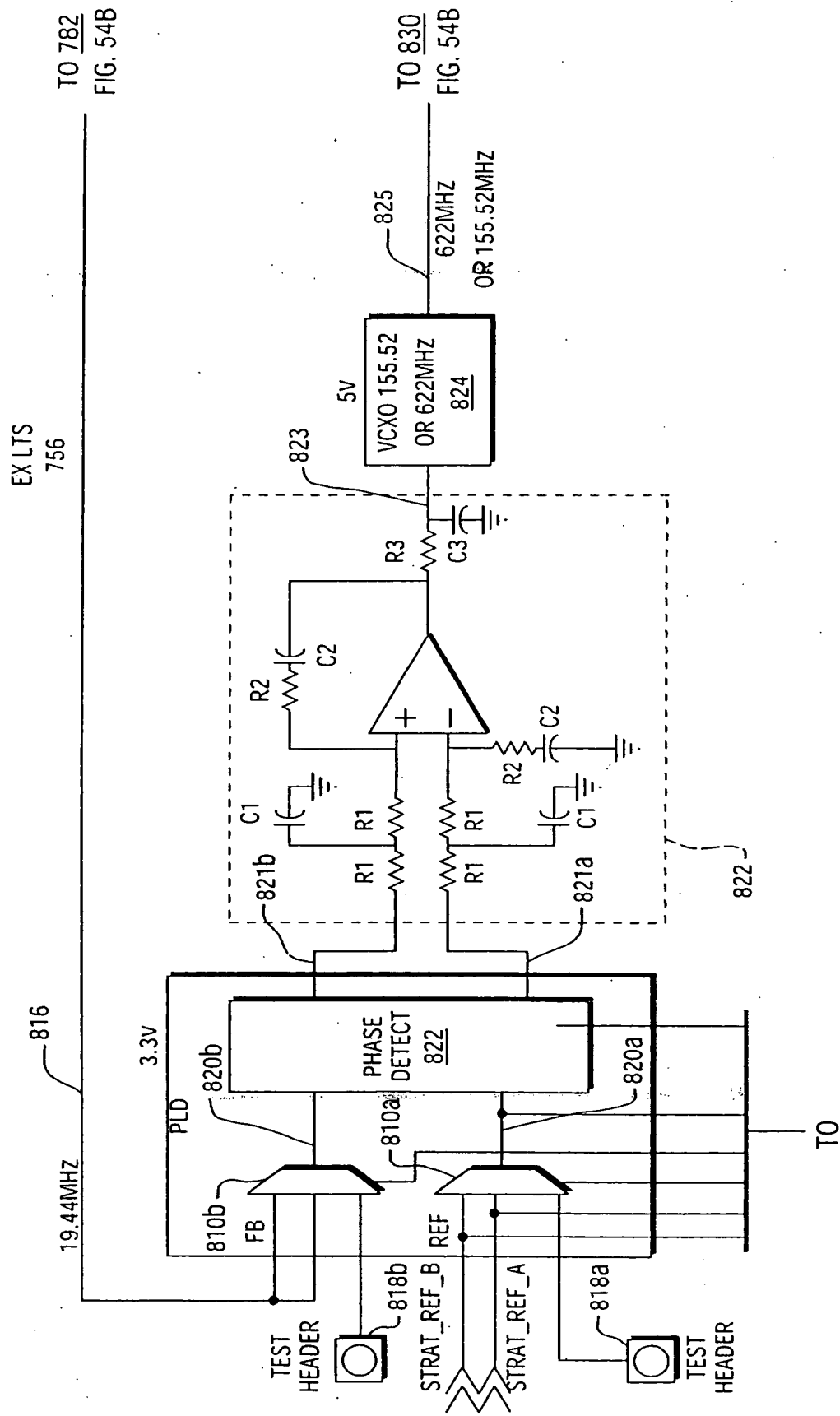


FIG. 54B

FIG. 54A

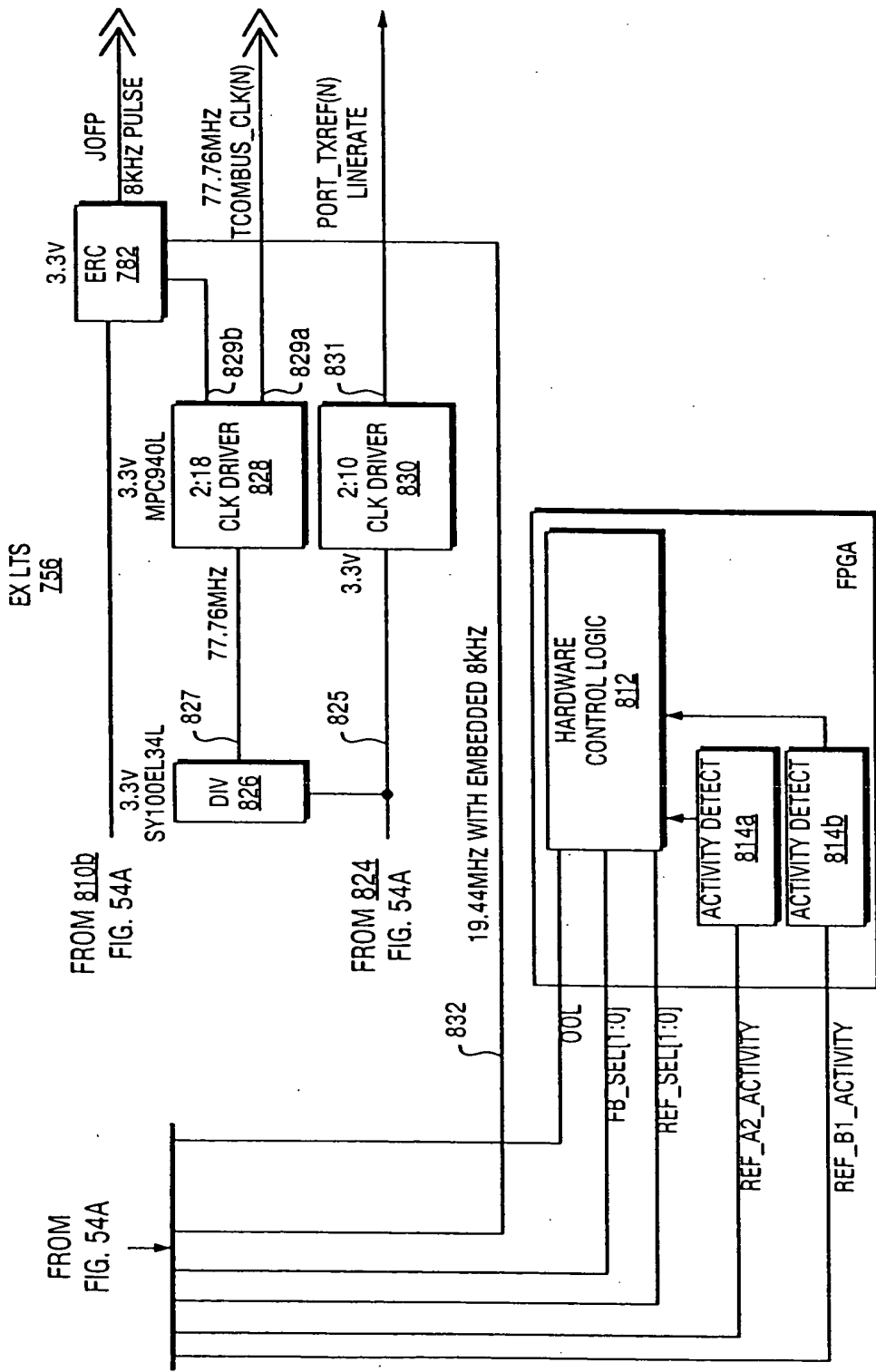


FIG. 54B

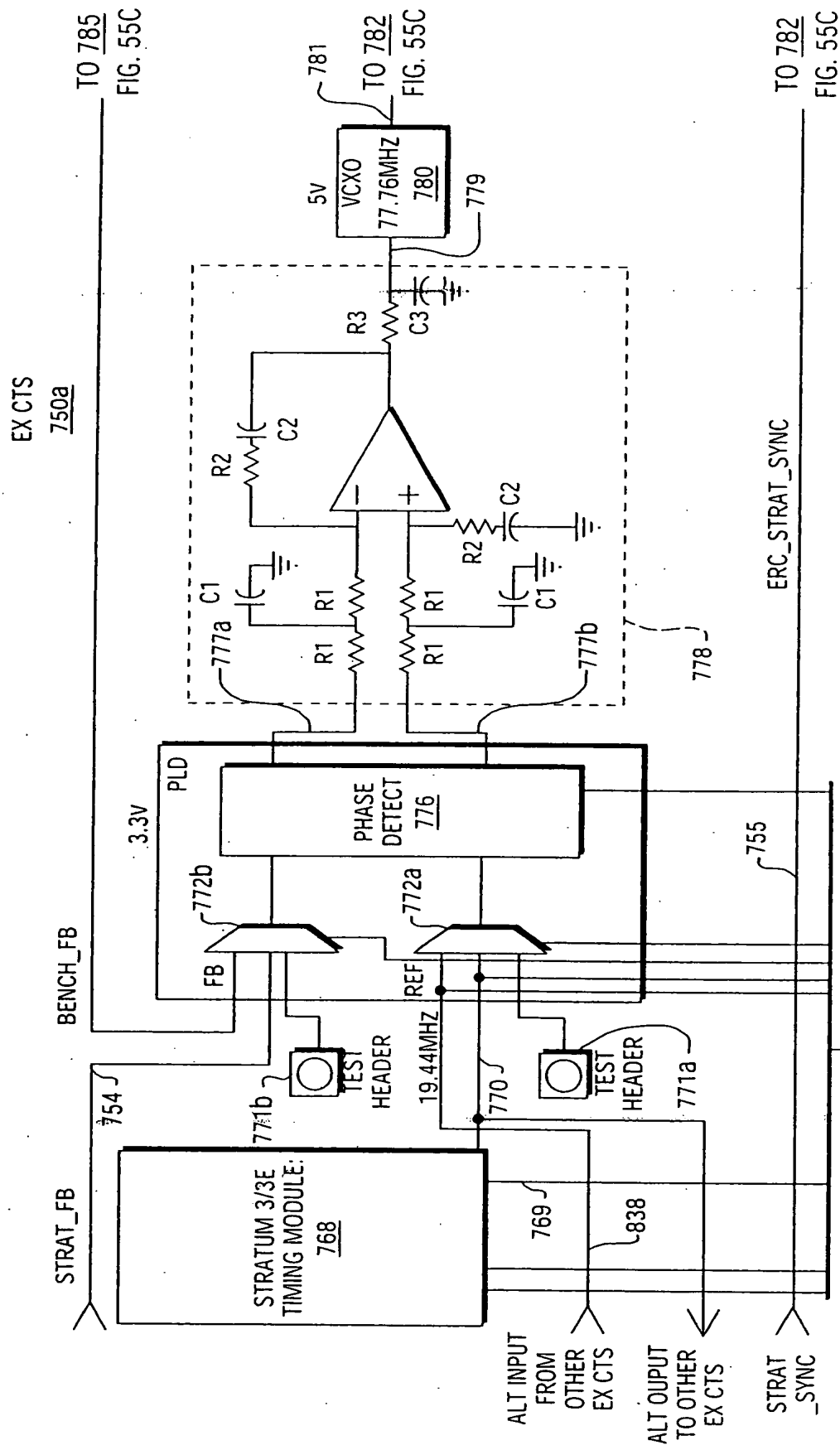


FIG. 55B

FIG. 55A

EX CTS
750a

TO 785
FIG. 55C

TO 758
FIG. 55C

TO 782
FIG. 55C

FROM
FIG. 55A

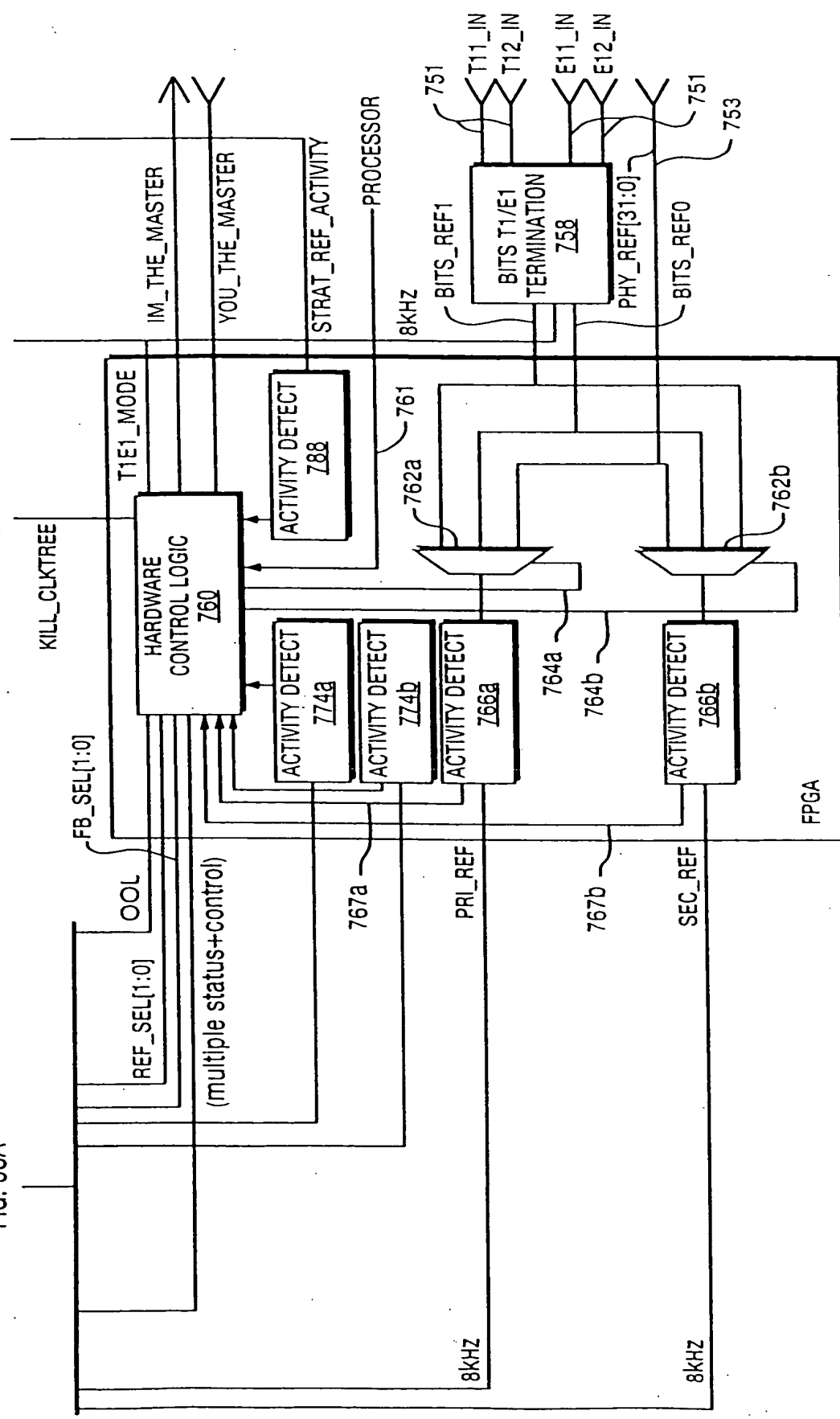


FIG. 55B

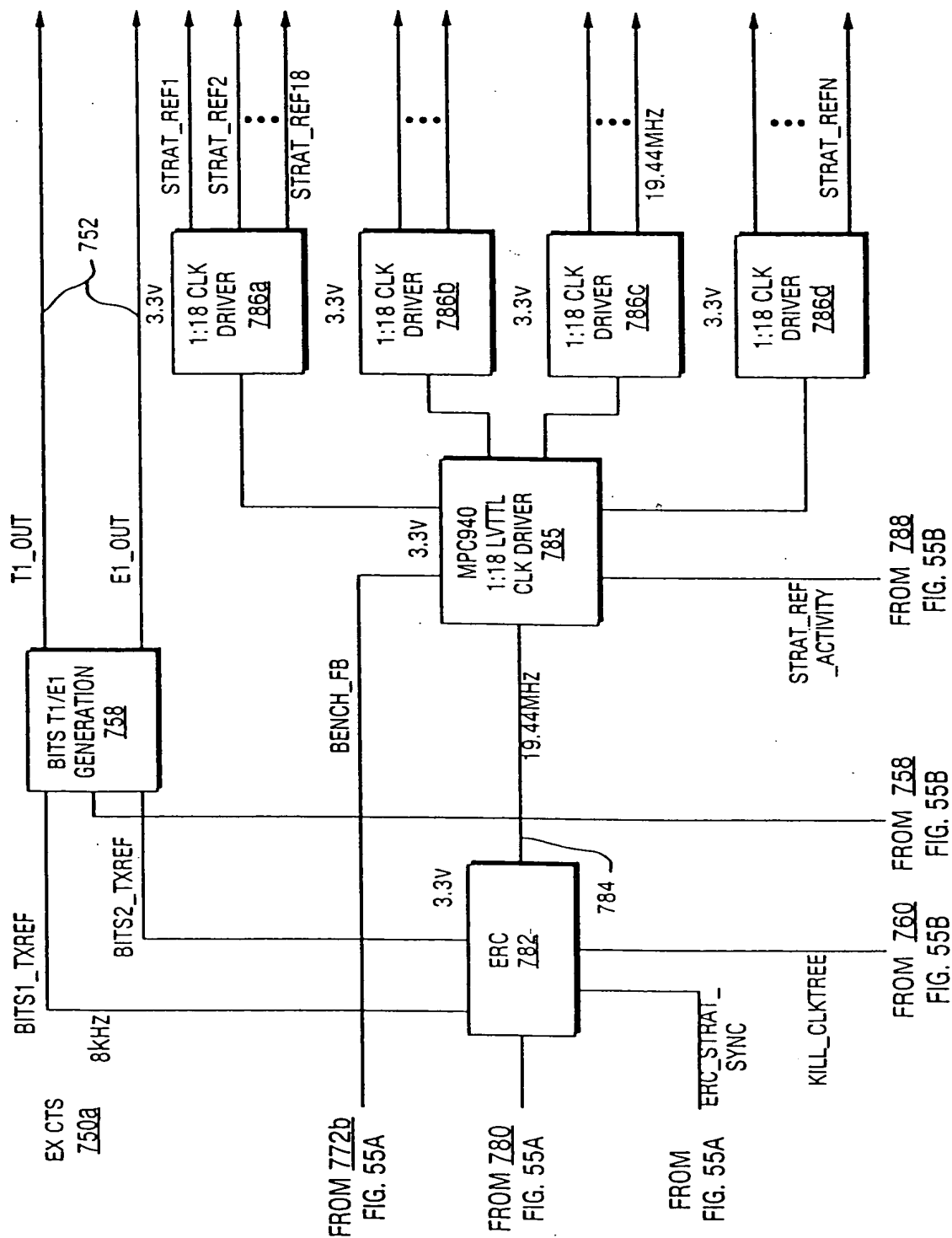


FIG. 55C

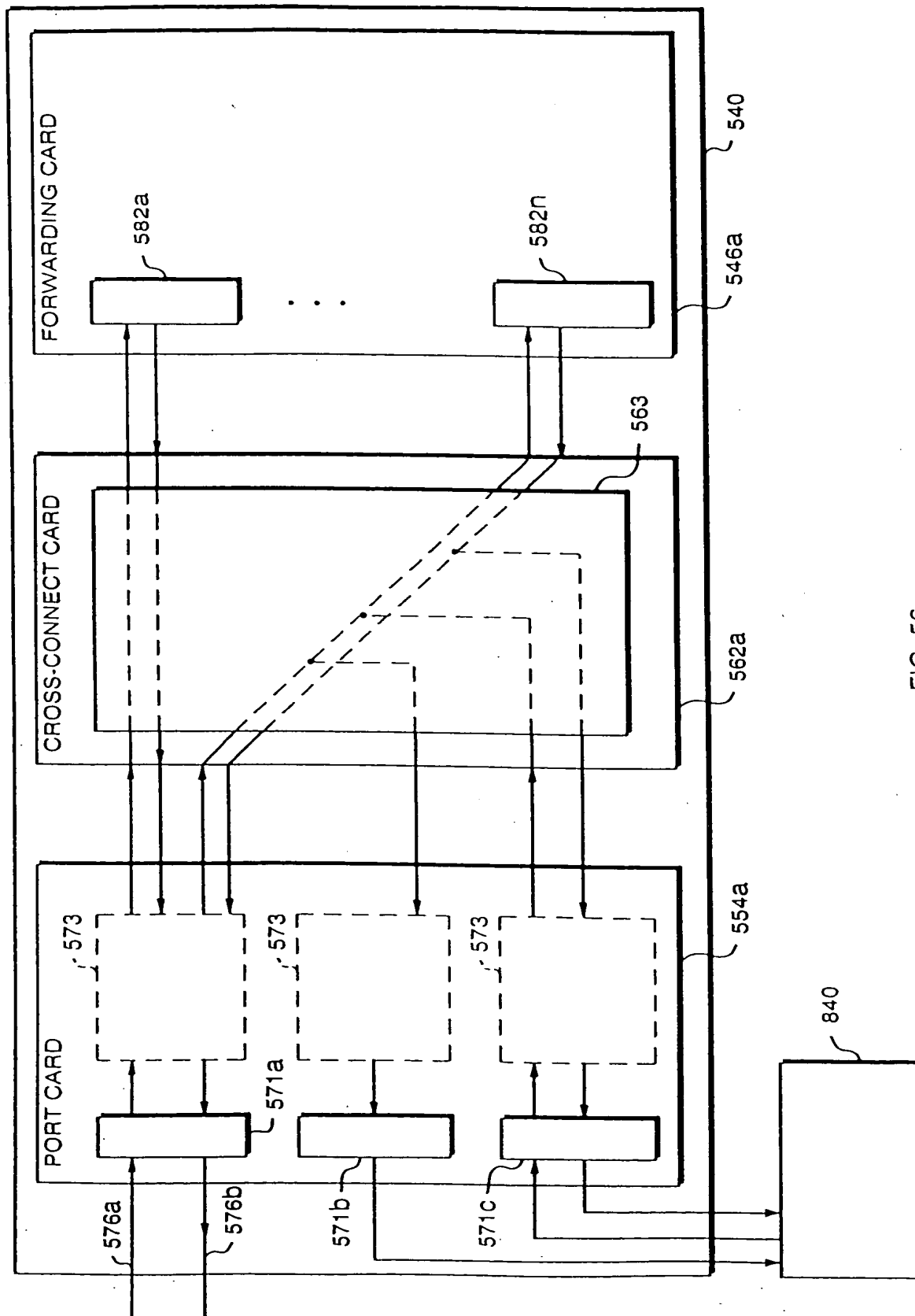


FIG. 56

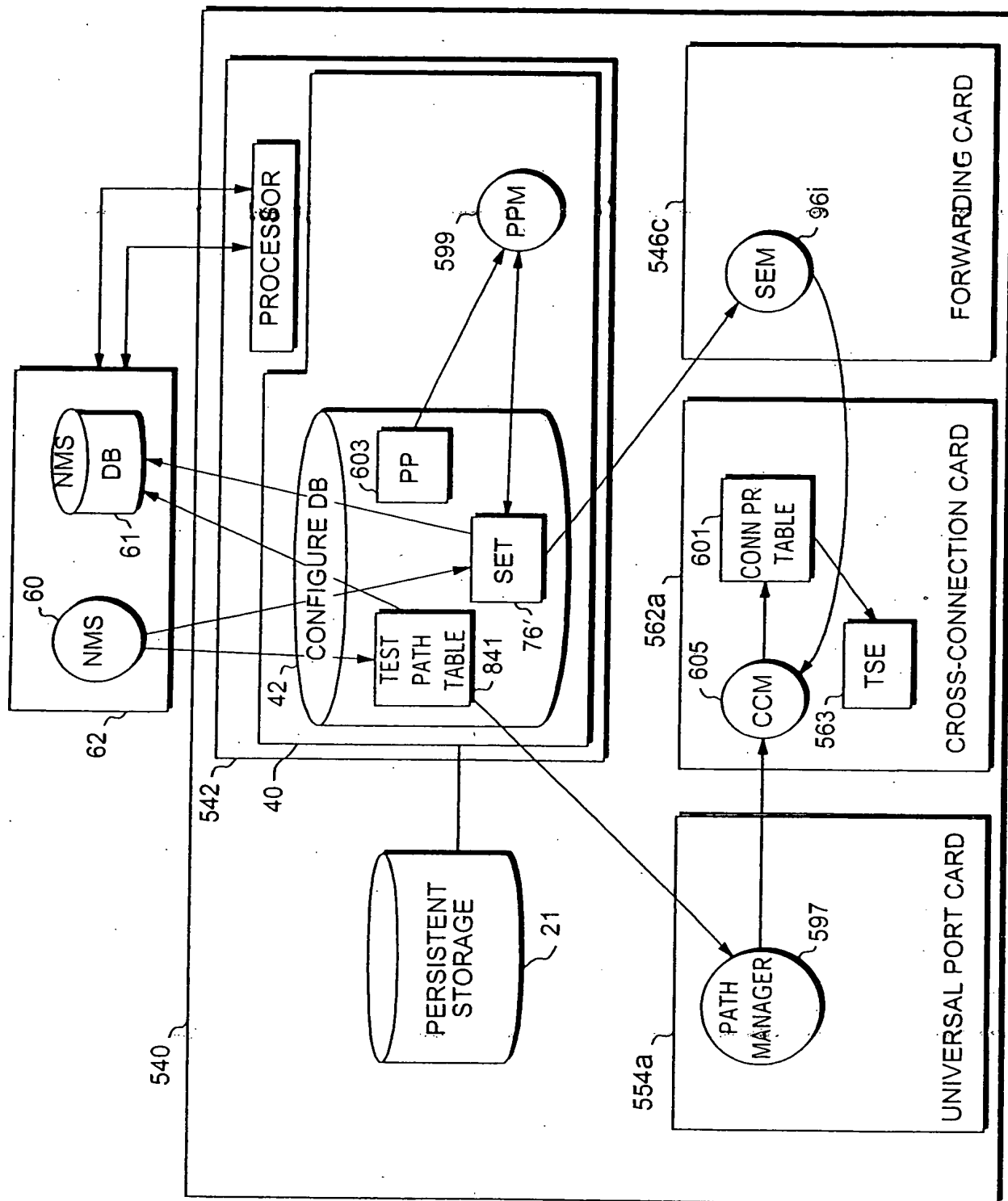


FIG. 57

TEST PATH TABLE 841

844		845				
PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	MONITOR	ENABLE PORT RECEIVER	...
1666	1232	4	3	INGRESS	NO	
1666	1233	4	3	EGRESS	NO	
1666	1233	4	3	INGRESS	YES	
.
.
.

FIG. 58

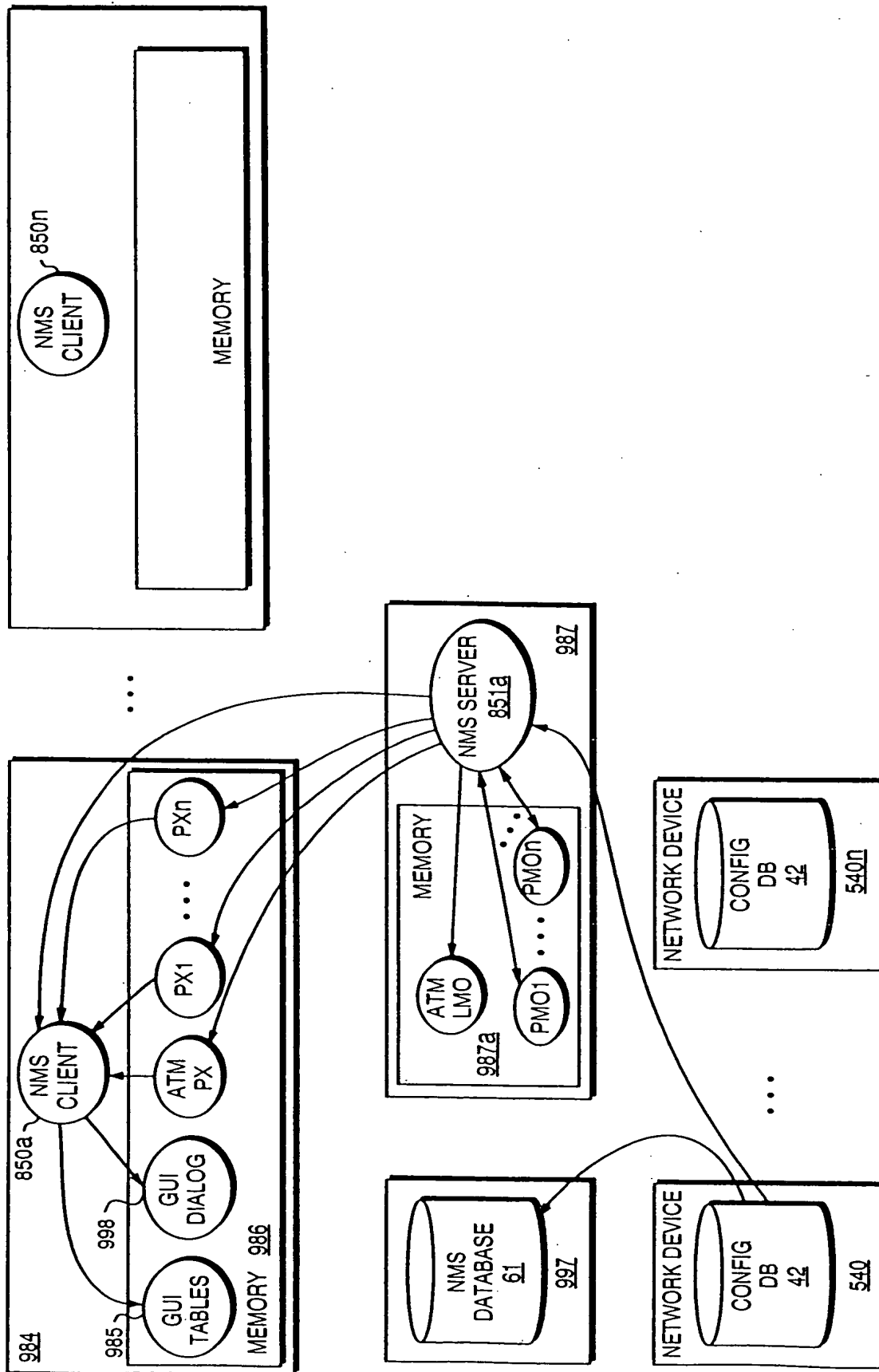


FIG. 59

MANAGED DEVICE TABLE 983

PID	A1	...	An
1			

FIG 60A

CHASSIS TABLE 988

PID	A1	...	An	MANAGED DEVICE PID
1				1
⋮	⋮	⋮	⋮	⋮

FIG 60B

SHELF TABLE 989

PID	A1	...	An	CHASSIS PID
3				2
4				2
⋮	⋮	⋮	⋮	⋮
18				2

FIG 60C

SLOT TABLE 990

PID	A1	...	An	SHELF PID
20				3
21				3
⋮	⋮	⋮	⋮	⋮
116				18

FIG 60D

CARD TABLE 47'

47a	47b			
	PID	CWD TYPE	VERSION NO.	SLOT PID
	120	0XF002	3	20
	121	0XF002	4	21
	⋮	⋮	⋮	⋮
	124	0X6002	1	24
	⋮	⋮	⋮	⋮
	131	0XF002	1	31
	⋮	⋮	⋮	⋮

FIG 60E

PORT TABLE 49'

49a	49b			
	PID	PORT TYPE	VERSION NO.	CARD PID
	300	00620	1	20
	301	00620	1	20
	302	00620	1	20
	303	00620	1	20
	304	00820	1	20
	⋮	⋮	⋮	⋮
	400	00620	1	39
	⋮	⋮	⋮	⋮

FIG 60F

SONET PATH TABLE 600'

600a	600b			
	PATH LID	PORT LID	TIME SLOT	# OF TIME SLOTS
	901	304	4	3
	⋮	⋮	⋮	⋮

FIG. 60G

SERVICE ENDPOINT TABLE 76''

76a	SE LID	Q #	76c	76d	76e	76b
			FC PID	FC SLICE PID	FC TIME SLOT	PATH LID
	3000					901
	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 60H

ATM IF TABLE 114''

114a	114b		
	ATM IF LID	ATM GROUP LID	SE LID
	5054		3000
	⋮	⋮	⋮

FIG. 60I

VIRTUAL ATM IF TABLE 993

993a	LID	A1	...	An	993b	ATM IF LID
	7489					5054
	⋮	⋮	⋮	⋮		⋮
	⋮	⋮	⋮	⋮		⋮
	⋮	⋮	⋮	⋮		⋮

FIG 60J

VIRTUAL CONNECTION TABLE 994

994a	LID	A1	...	An	994b	VIR. ATM IF LID
	⋮	⋮	⋮	⋮		⋮
	⋮	⋮	⋮	⋮		⋮
	⋮	⋮	⋮	⋮		⋮

FIG 60K

VIRTUAL LINK TABLE 995

995a	LID	A1	...	An	995b	995c	VIR. CONN. LID	CROSS. CONN. LID
	⋮	⋮	⋮	⋮			⋮	⋮
	⋮	⋮	⋮	⋮			⋮	⋮
	⋮	⋮	⋮	⋮			⋮	⋮

FIG 60L

CROSS-CONNECT TABLE 996

996a	LID	A1	...	An	996b	996c	VIR. LINK1 LID	VIR. LINK2 LID
	⋮	⋮	⋮	⋮			⋮	⋮
	⋮	⋮	⋮	⋮			⋮	⋮
	⋮	⋮	⋮	⋮			⋮	⋮

FIG 60M

PHYSICAL MANAGED OBJECT 991

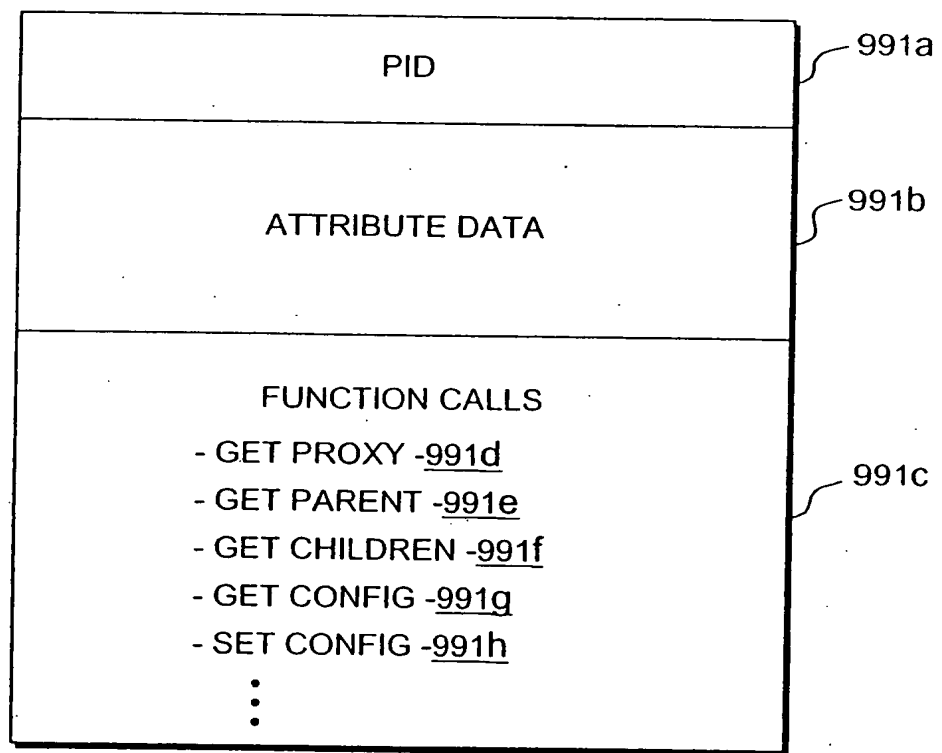


FIG. 61A

PROXY 992

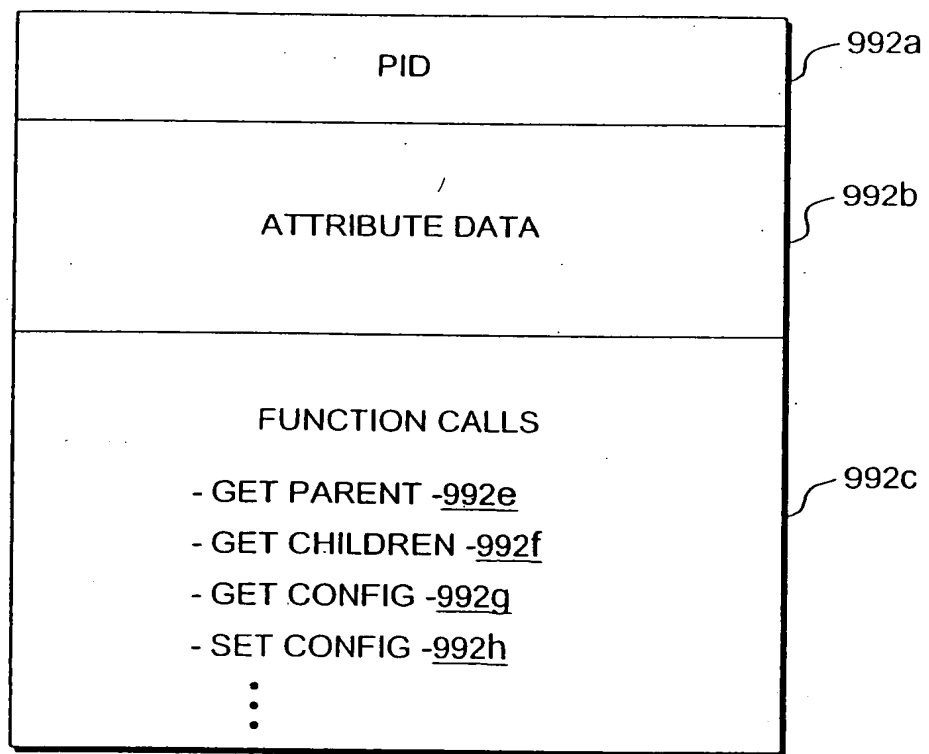


FIG. 61B

997

EvailNet Manager: Modify SONET Path - Shelf 11/Slot4/Port 1

System: 192.168.9.202

SONET Path Parameters

Path Name

Path1_11/4/1

Path Number

1

Path Width

STS-3c

Path Type

Terminated-ATM

Connection Information

Connected SONET Path

Paths...

☒ None

☐ Specific

ATM Interface Name

Modules

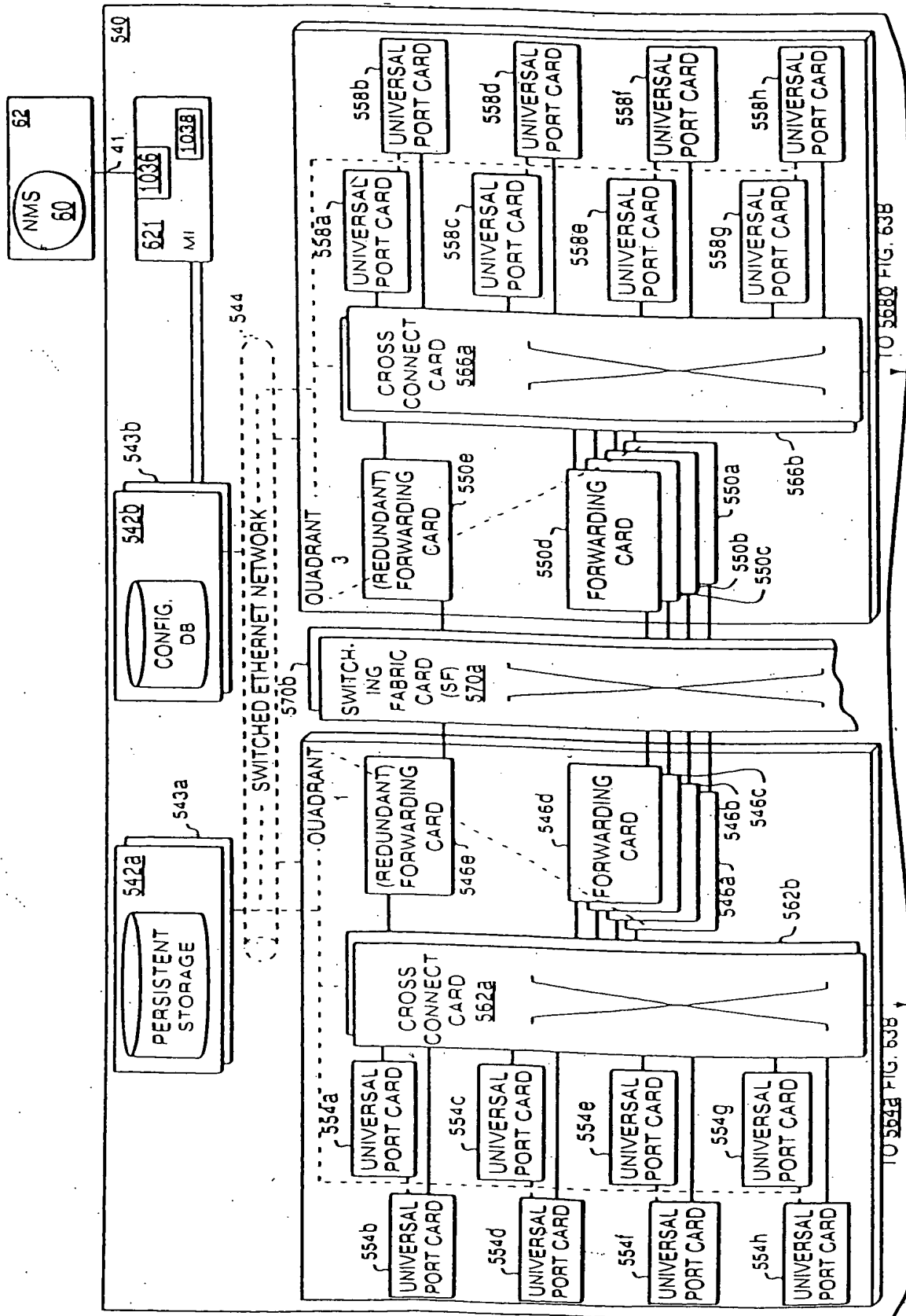
OK

Cancel

997a

998b

FIG. 62



53

ADMINISTRATION MANAGED DEVICE TABLE 1014'

LID	HOST ADDRESS	PORT ADDRESS	RETRY	TIMEOUT	ADMIN. PASSWORD	PROV. PASSWORD	VIEWER PASSWORD	PHYSICAL ID	PHYSICAL ID
9046	192.168.9.202	1521			TEAM 1	TEAM 2	TEAM 3		
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 64